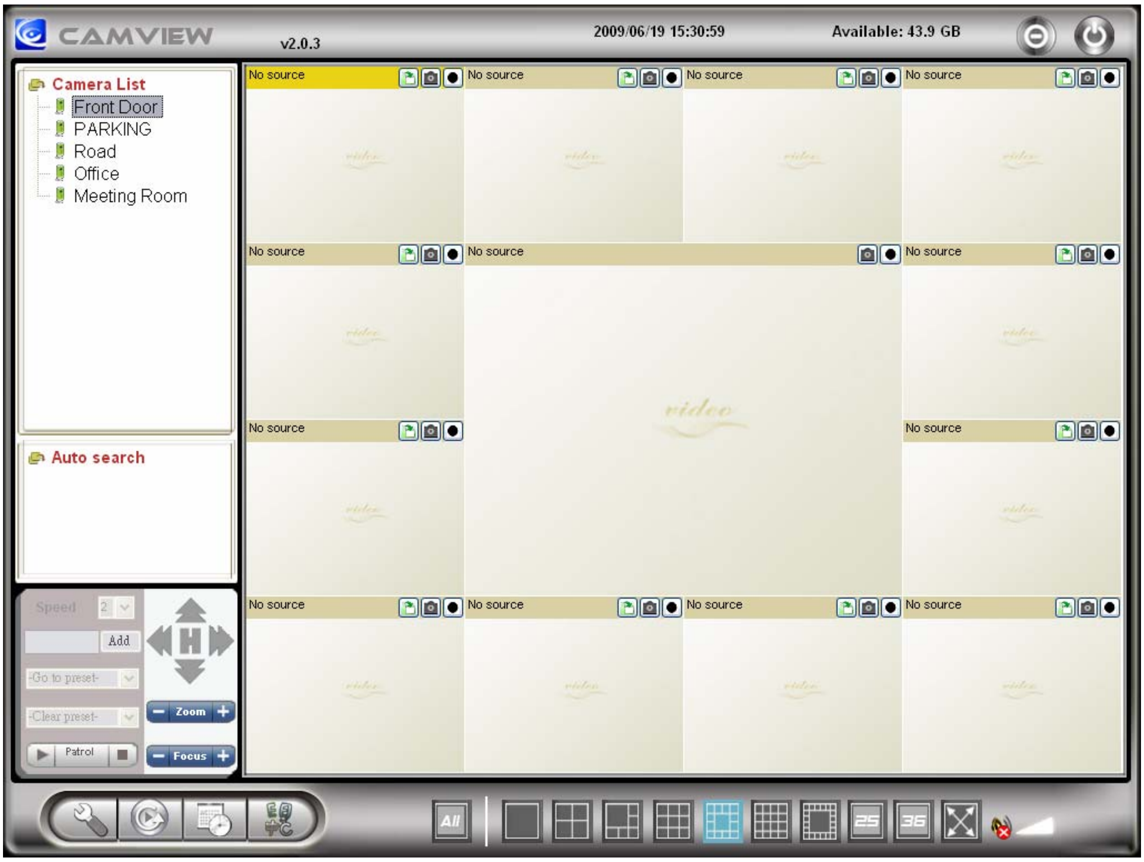
CamView User Manual

For Easy Connection IP Cam Series



Seeing the video from anywhere

Table of Content

Introduction

CamView is a 36 channel video management software package which is included with this Series IP Cameras. With this CamView software, it is just a mouse-click away to see the video of your IP Camera and surprisingly neither technical knowledge nor complex settings are required. Each IP Camera has a unique Camera ID (9 digits long) and a password for logging in to see the video.

System Requirement

1. Operation System: Windows XP SP2 and Up
2. Pentium 4 CPU 1.5GHz; 512MB & up DRAM

Note: For more than 4 cameras display, more powerful CPU and higher DRAM is needed

Install CamView Program

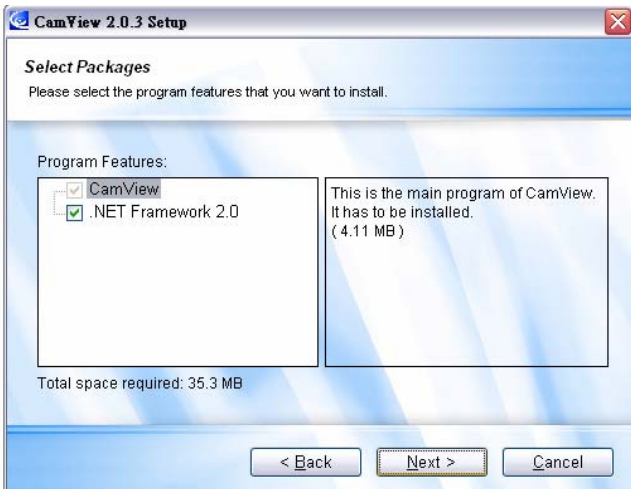
Step 1. Please close other windows applications before proceeding.

Step 2. Insert the installation CD into your CD-ROM drive and find the CamViewInstaller.exe. Double click it to start the installation process and you will see the "Welcome" window. Click 



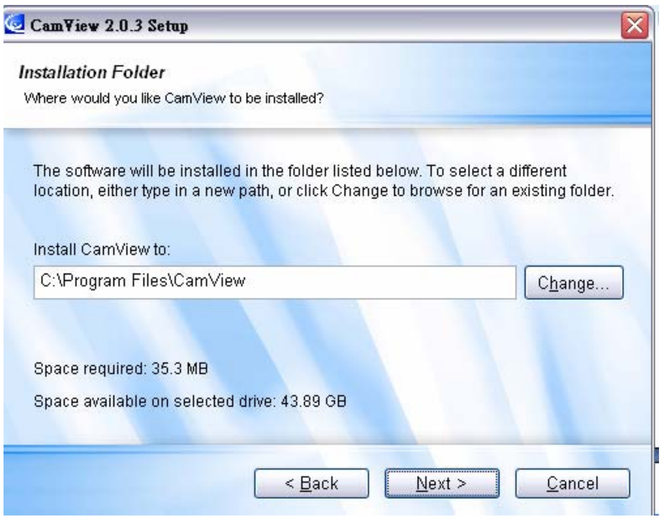
Step 3. If you are uncertain if the Framework 2.0 is already installed on your PC, please check .NET Framework 2.0. Click 

to proceed installation.

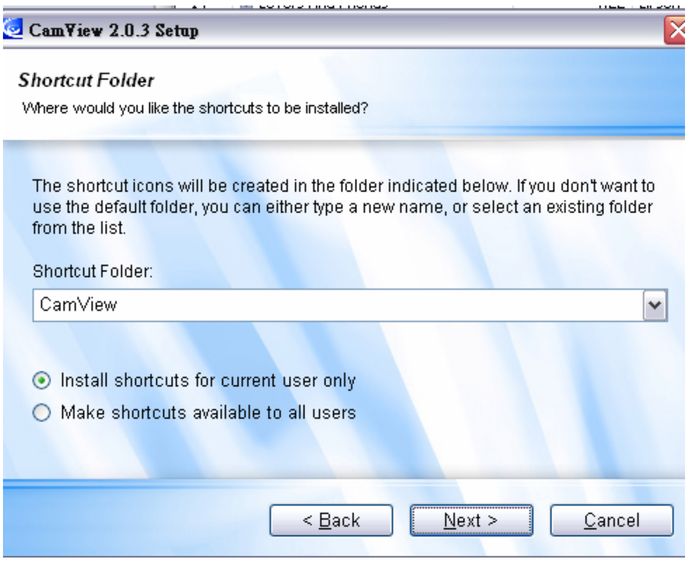


Step 4. Click 

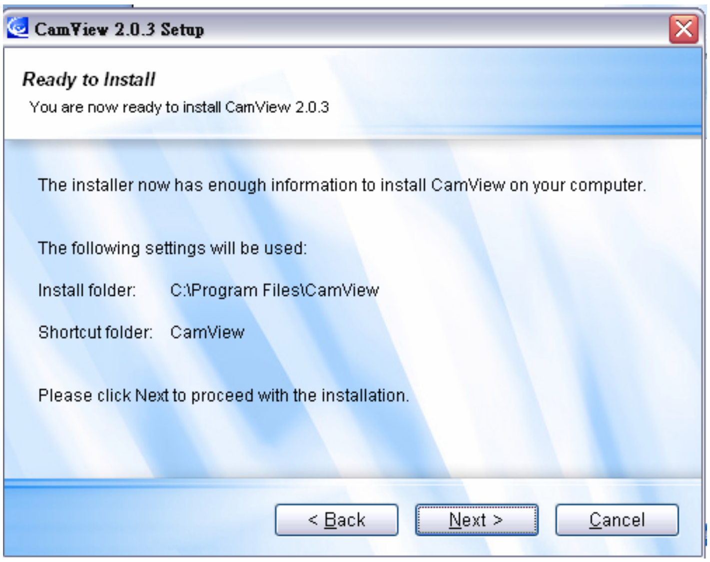
to proceed



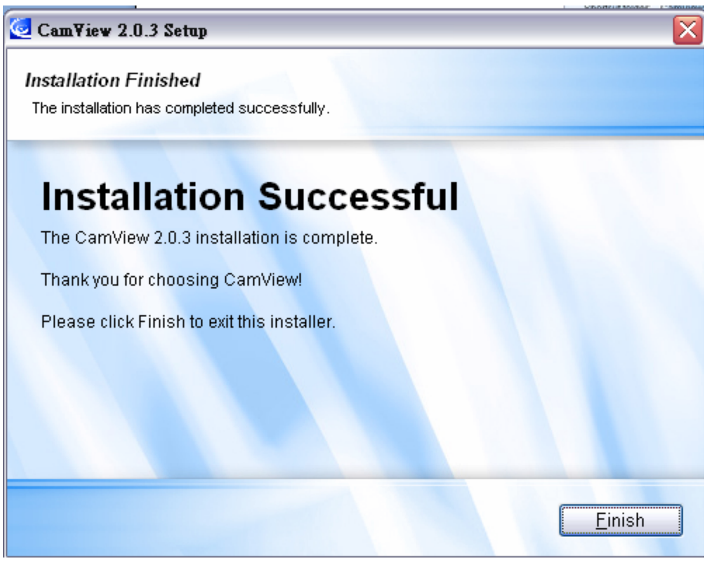
Step 5. Make a selection and click Next > to proceed.



Step 6. click Next > to proceed.



Step 7 Click Finish to exit.
CamView installation now is completed.

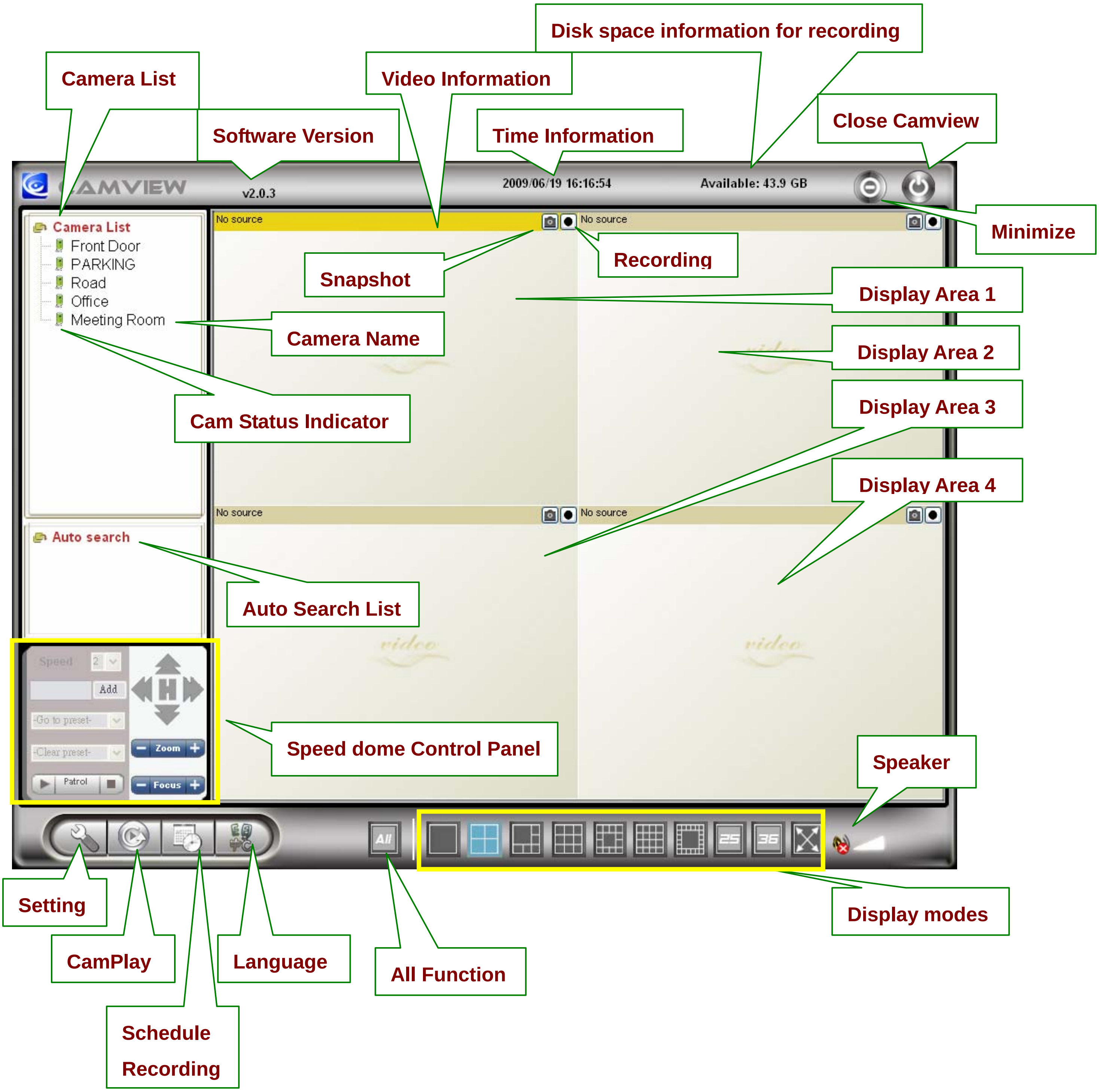


Startup and the layout of CamView

1. Startup CamView

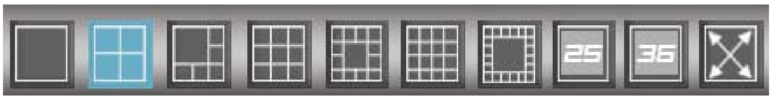
You can startup CamView from either Start ➔ Programs ➔ CamView or the shortcut of CamView on the windows desktop.

2. Layout of CamView



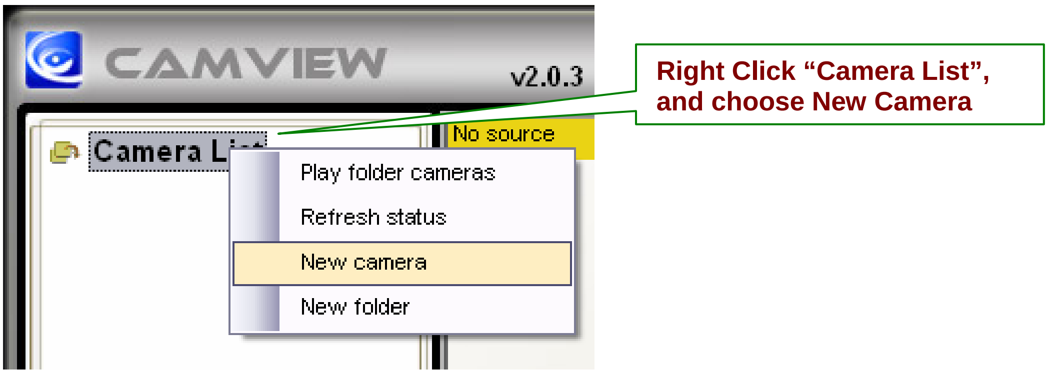
3. Display Mode

CamView supports 10 display modes. By pressing each mode, you can have a different live view display.



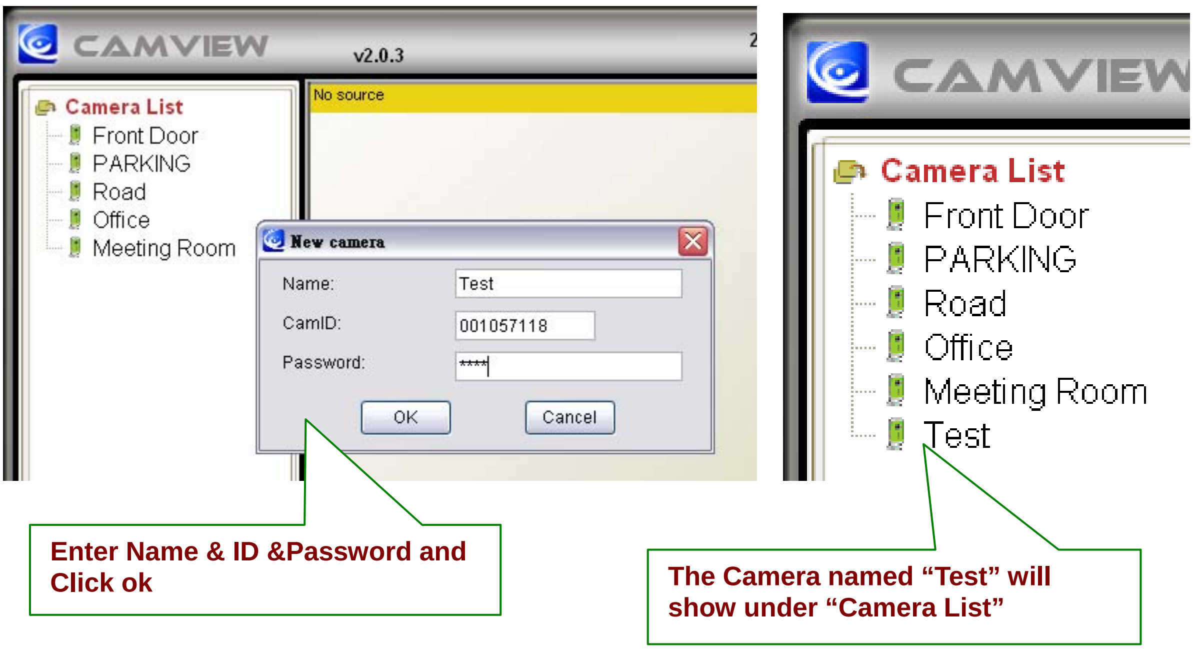
Managing CamView Camera IP cameras

Right click the *"Camera List"* .You can add a new IP cam, create a new folder, rename the IP cam or the folder, and delete any IP cams or any folder.



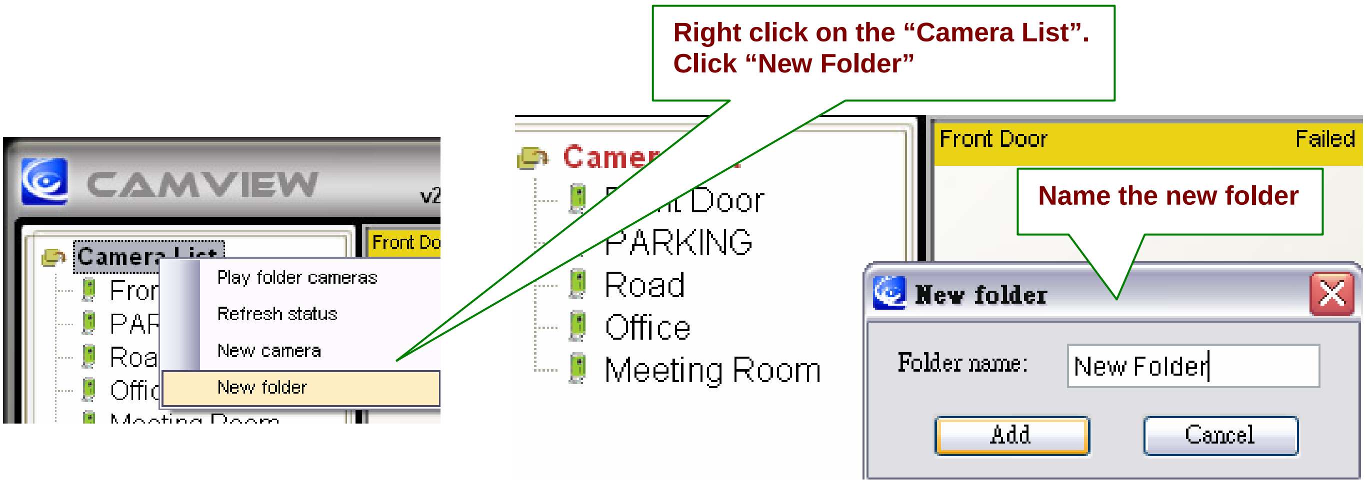
1. New Camera

Users can add a new camera to the list by entering IP cam ID and password. Users can also name the IP cam.



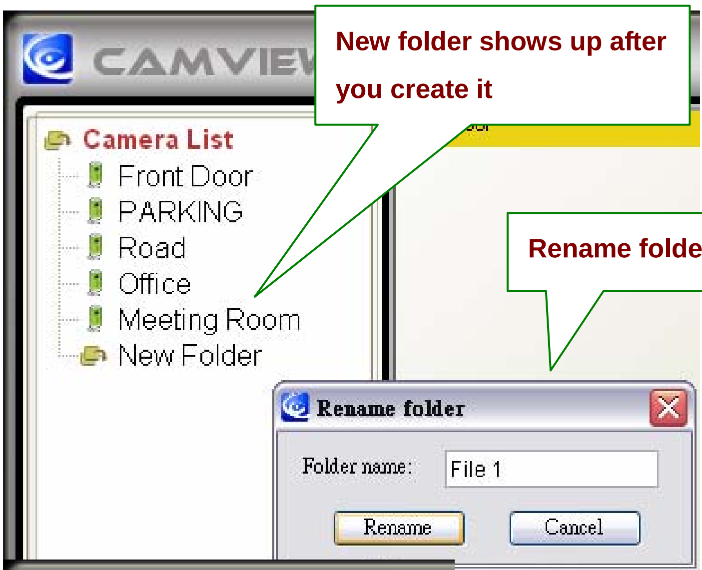
2. New Folder

Users can group IP cams by creating a new folder.



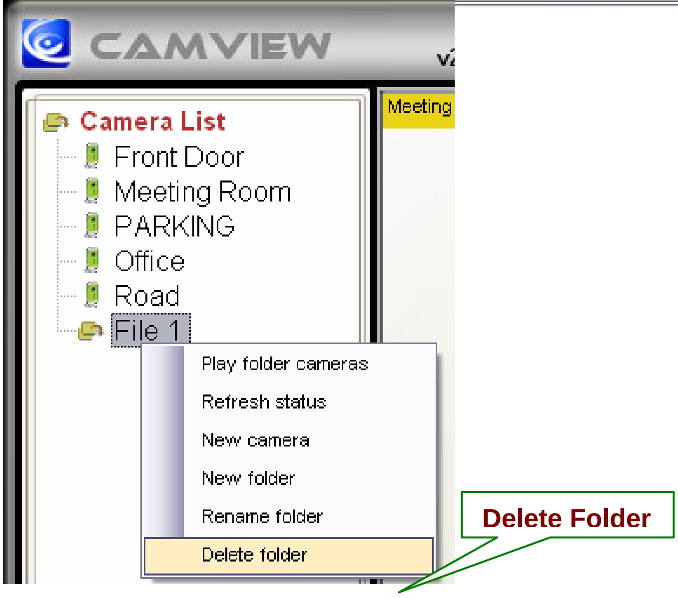
3. Rename

You can rename the folder.



4. Delete

You can delete the folder.



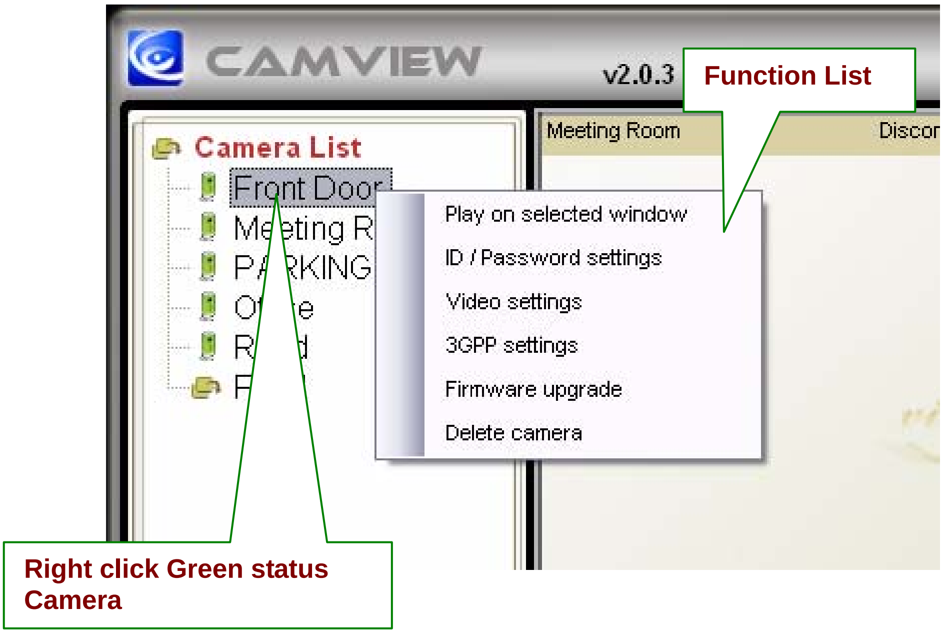
5. Refresh Status

You can click Refresh Status to update the latest connection status of cameras

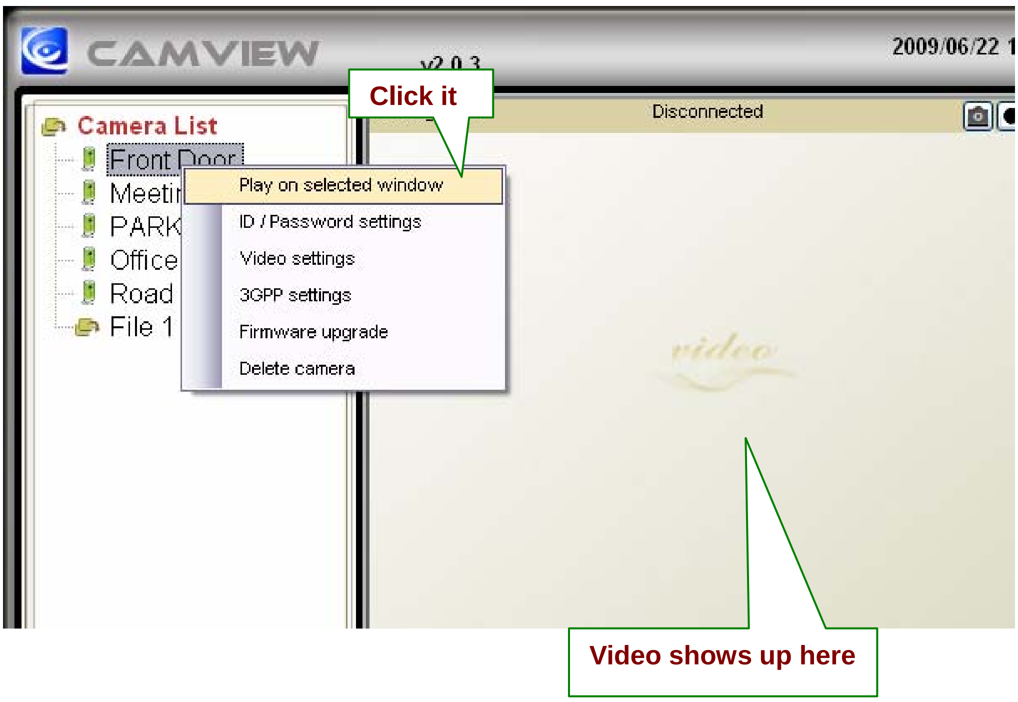
6. Camera Adjustment

By right clicking on a green light status IP cam, you can access the video display, do ID and password settings, adjust video settings, upgrade firmware, and delete from the list.

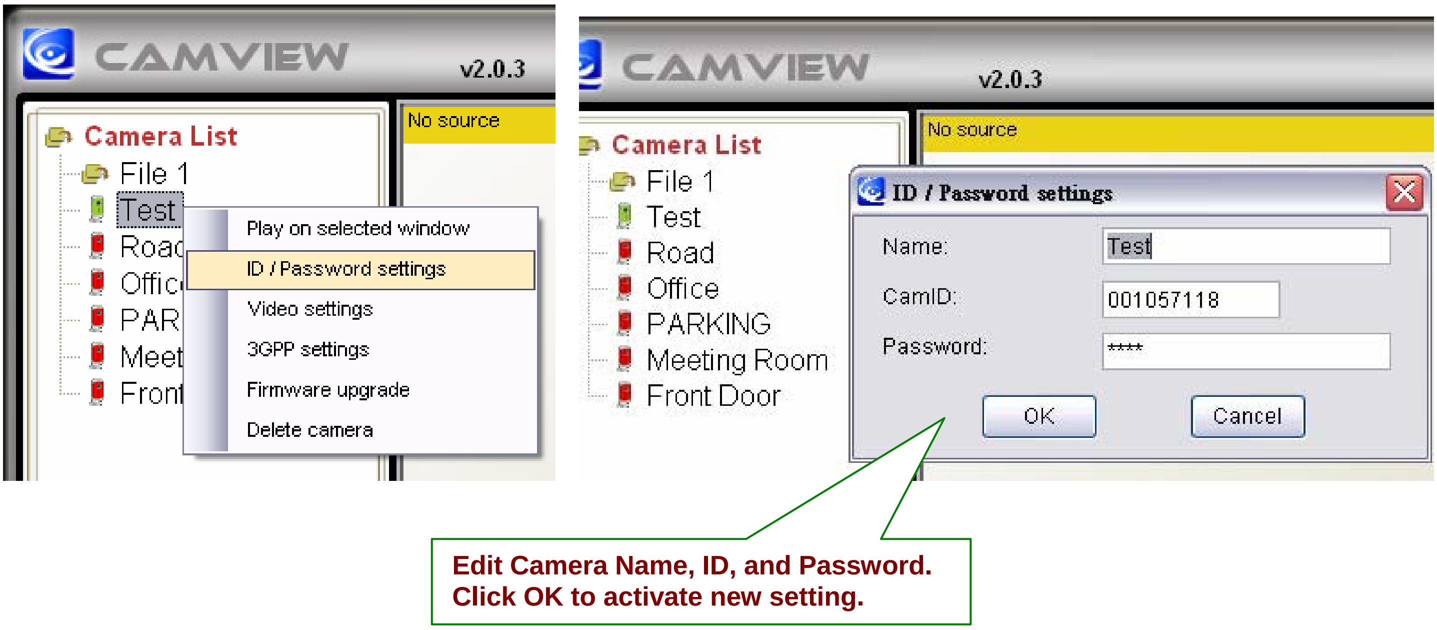
Note: Camera status must be green in order to access function list.



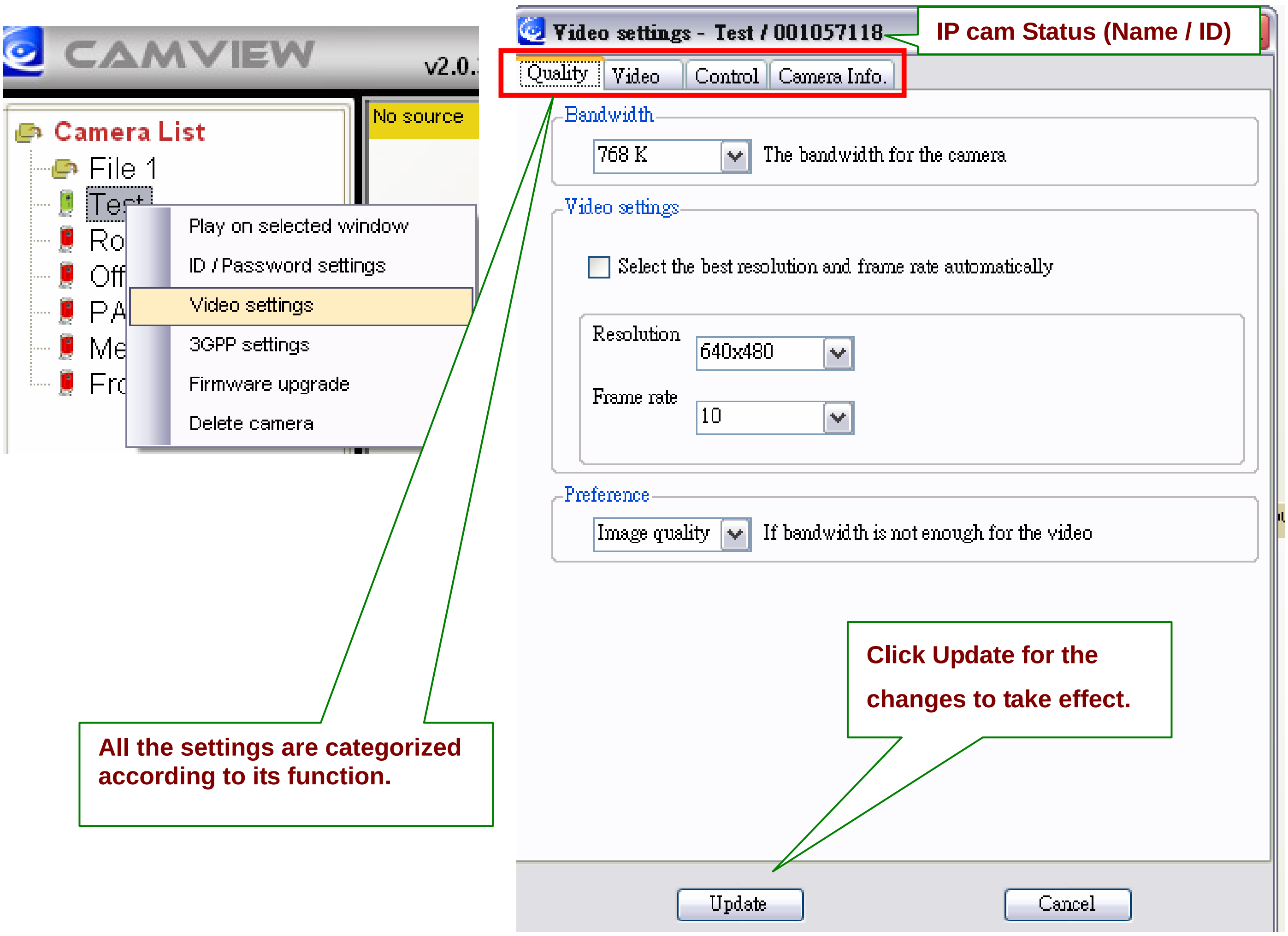
7. Play on Selected Window



8. ID / Password Settings



9. Video Settings



- **Quality Function Tab**

Bandwidth

Available selections are from 64K to 1.5M. Appropriate bandwidth setting must match the camera physical site internet uploading bandwidth. Higher bandwidth contributes better picture quality.

Video Setting

If you check the box of select the best resolution and frame rate automatically, the camera will automatically adjust the most suitable video setting in Resolution and Frame Rate

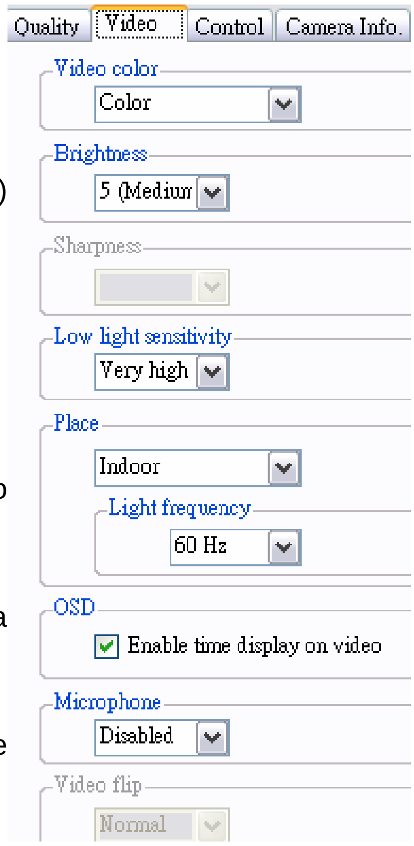
Resolution: higher resolution you set, bigger image you get.

Frame rate: Frame per second (1 to 30fps), higher frame rate you set, smoother motion you get.

Preference

By selecting Image Quality, the camera automatically adjusts itself for image quality as priority in case of interference with the network environment. Vice versa, by selecting the Video Motion, the camera automatically adjusts itself for video motion.

- **Video Function Tab**



Video Color

User can set the video as colored image or black and white image.

Brightness

Control the brightness of the camera video from 1(dark) ~ 10(Bright) level

Sharpness

Control the level of sharpness and clearness of the image

Low Light Sensitivity

The level of the camera senses the low light condition.

Place

You can choose the camera installation environment in order to make camera automatically adjust for the best image quality.

OSD

On Screen Display. Enabling this function will make the camera embed the time information into the picture.

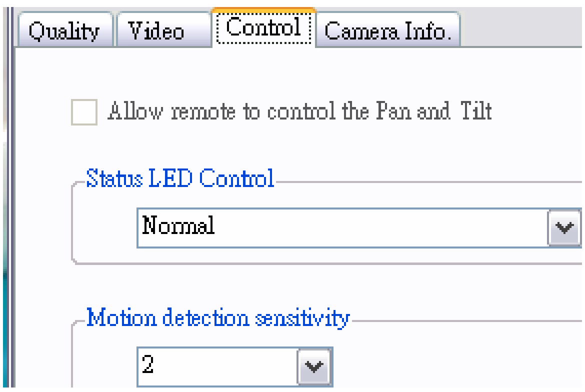
Microphone

Disable or enable the microphone. When you enable the Mic., the user who monitors the image can hear the sounds.

Video Flip

This function is only available for the Pan Tilt type of camera to flip the image.

- **Control Function Tab**



Check the box to allow user remotely controls the motors for Pan and Tilt. (Only available for the Pan/Tilt type of camera)

Status of LED Control

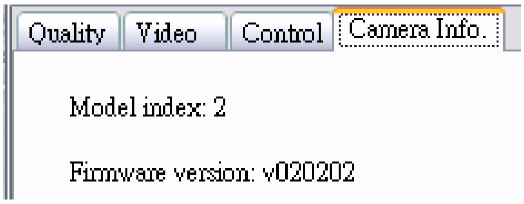
User can control the behavior of the status LED.

Motion Detection Sensitivity

The level of how sensitive the camera is in terms of the motion detection.

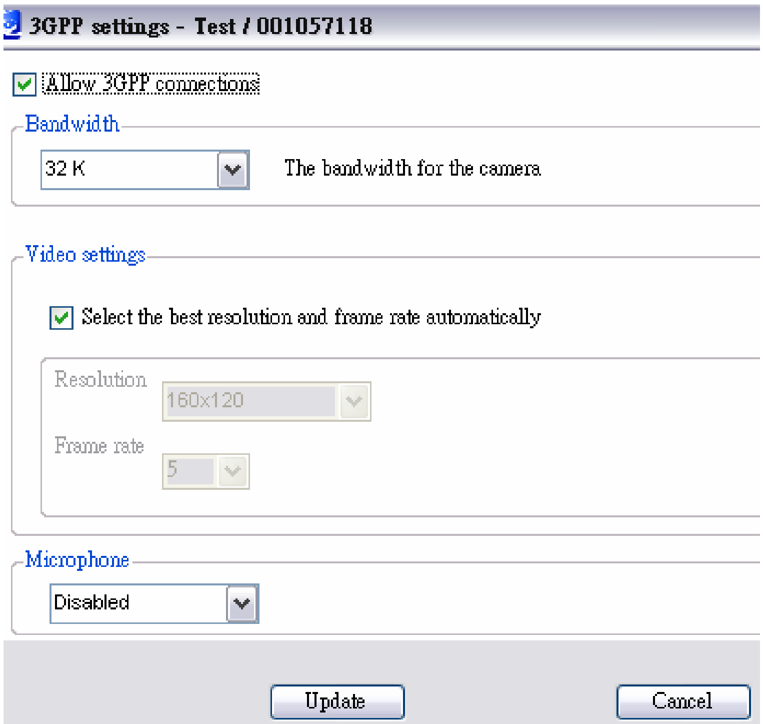
■ **Camera info Tab**

Show the IP camera information and firmware version.



10. 3GPP Setting





To allow 3GPP connections from mobile phones, user has to enable it.

Bandwidth

The bandwidth setting for 3GPP connection from 32k to 256K.

Video Setting

Check the box to make the camera determine the best combination of the resolution and frame rate according to the given bandwidth.

Microphone

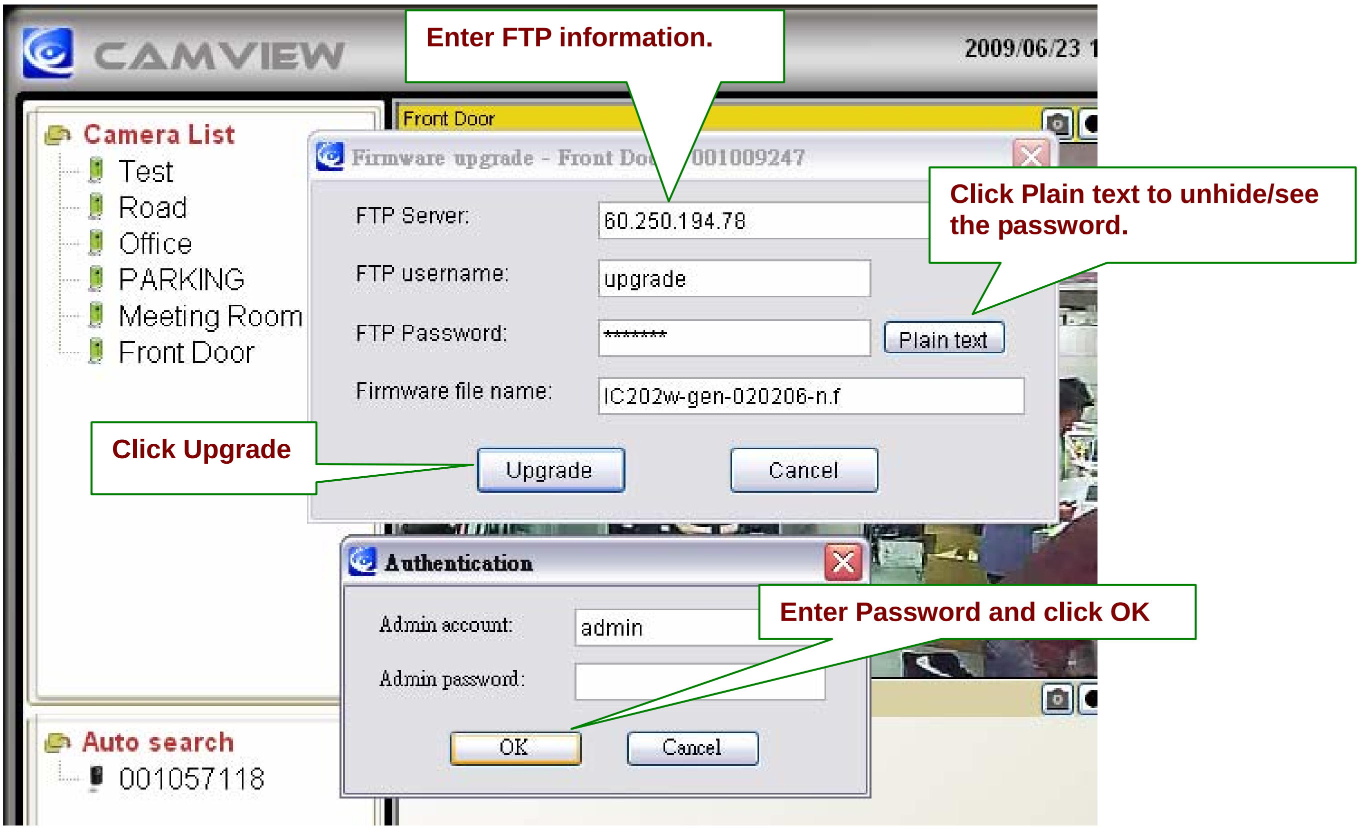
Allow user to hear sounds on the 3GPP Device

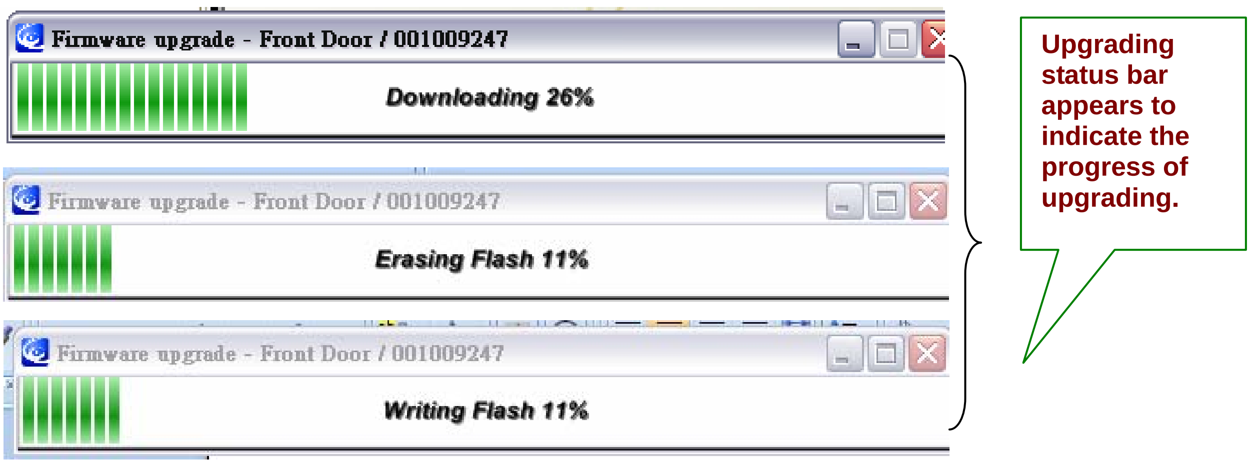
11. Firmware Upgrade

In case of new firmware is released, enter FTP server address, FTP username, firmware name, and FTP password to upgrade camera firmware.

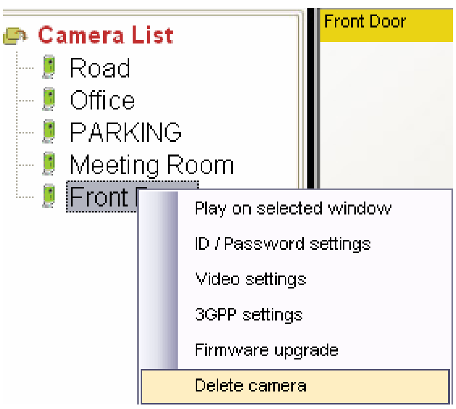
The default password of Authentication is “**admin**”.

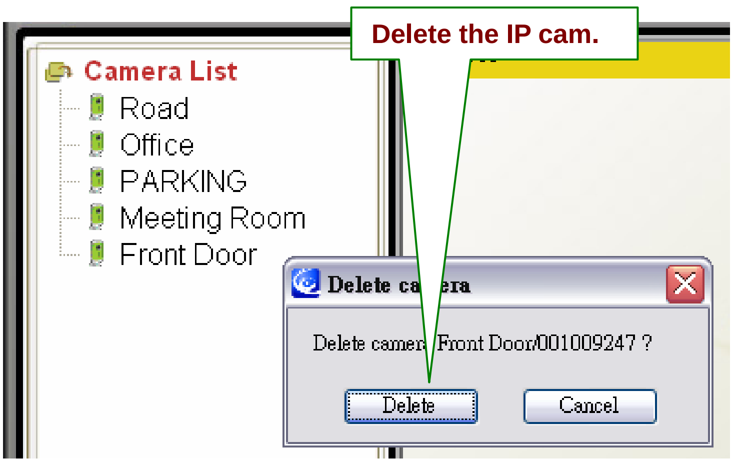
Note: Users can change the default Firmware Upgrade Authentication password in the Web Page Configuration. Please refer to page 34.


CAMVIEW
2009/06/23
Enter FTP information.
Camera List
Test
Road
Office
PARKING
Meeting Room
Front Door
Firmware upgrade - Front Door / 001009247
FTP Server: 60.250.194.78
FTP username: upgrade
FTP Password: *******
Plain text
Click Plain text to unhide/see the password.
Firmware file name: IC202w-gen-020206-n.f
Click Upgrade
Upgrade
Cancel
Authentication
Admin account: admin
Admin password:
Enter Password and click OK
OK
Cancel
Auto search
001057118


Firmware upgrade - Front Door / 001009247
Downloading 26%
Firmware upgrade - Front Door / 001009247
Erasing Flash 11%
Firmware upgrade - Front Door / 001009247
Writing Flash 11%
Upgrading status bar appears to indicate the progress of upgrading.

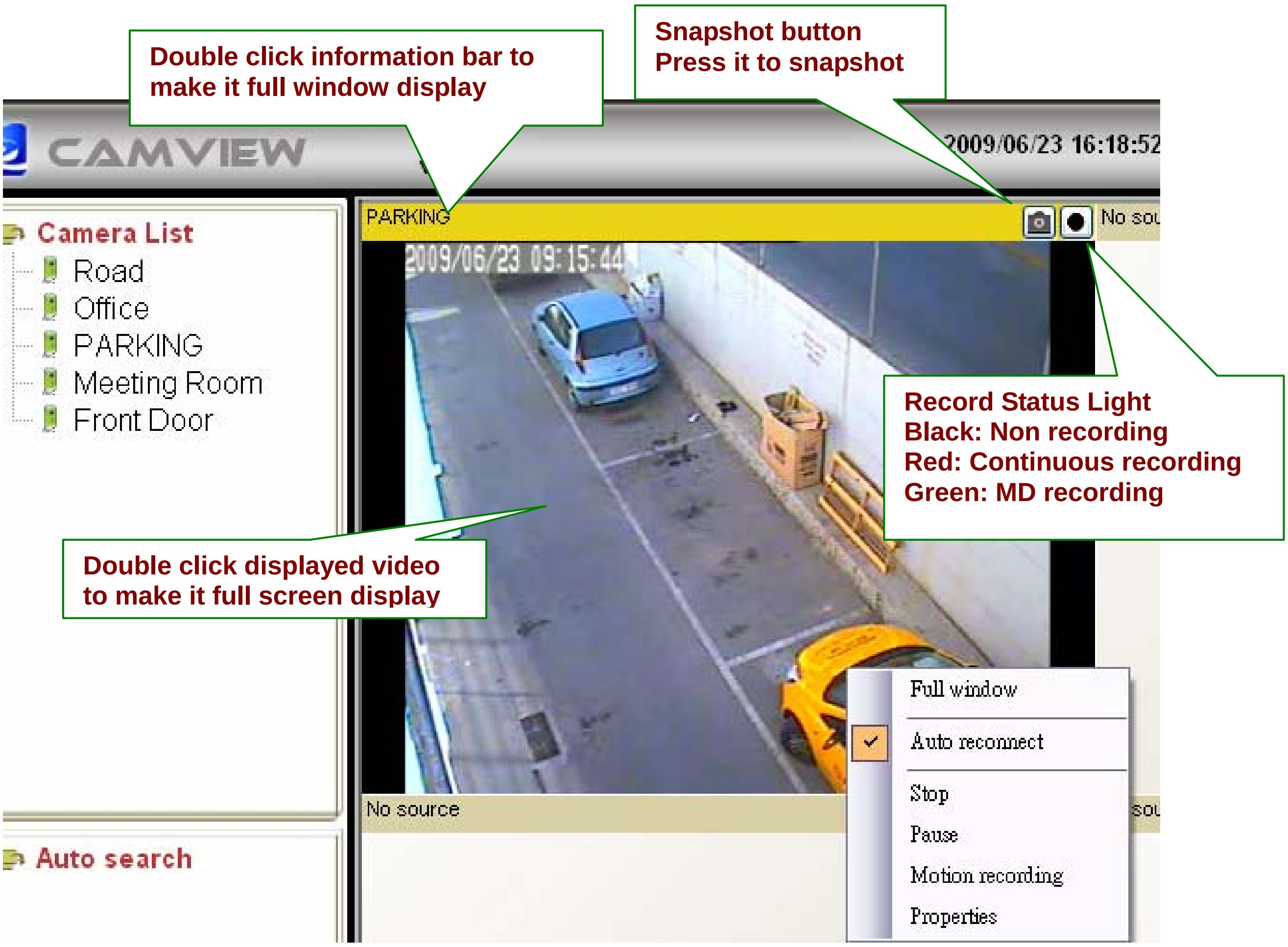
12. Delete


Camera List
Road
Office
PARKING
Meeting Room
Front Door
Play on selected window
ID / Password settings
Video settings
3GPP settings
Firmware upgrade
Delete camera


Delete the IP cam.
Camera List
Road
Office
PARKING
Meeting Room
Front Door
Delete camera
Delete camera Front Door/001009247 ?
Delete
Cancel

Displayed Video Control

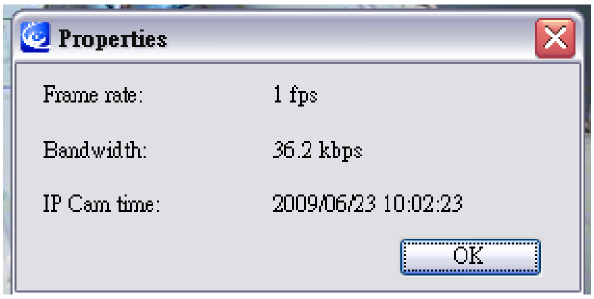
Use mouse to select displayed window. Right click to see various functions.



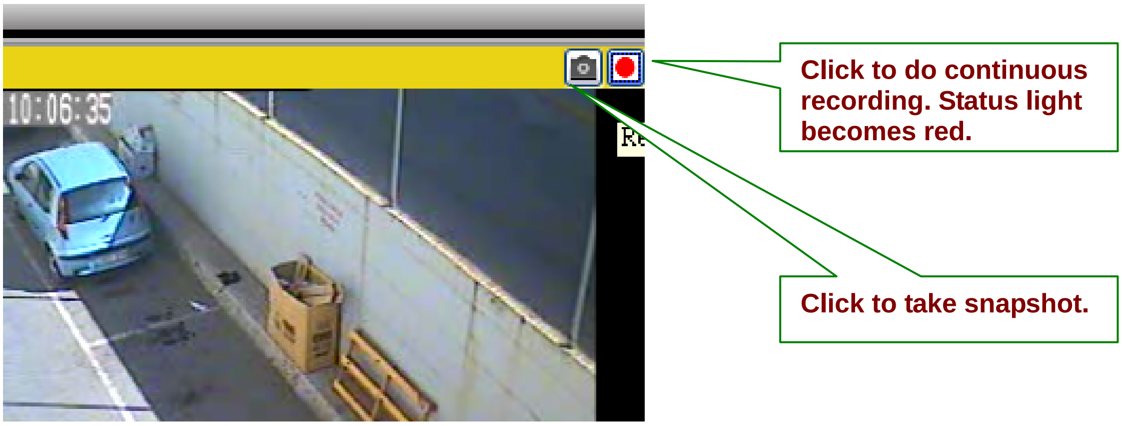
1. Full Window: Choose it to display video in full window. Users can also double click the information bar to display in full window. Double click the displayed video to make full screen display. One more double click changes back to normal window display mode.
2. Auto Reconnect: Checking *"Auto reconnect"* option reconnects the video session automatically if the session is closed by the IP Camera, for example, the settings of the IP Cam has been changed or the Internet connection of the IP Cam has lost.
3. Stop: Click to stop video displaying.
4. Pause: Click to pause video displaying.
5. Motion Recording: Click to enable motion detection recording. When motion detection recording is activated, recording status turns to Green.



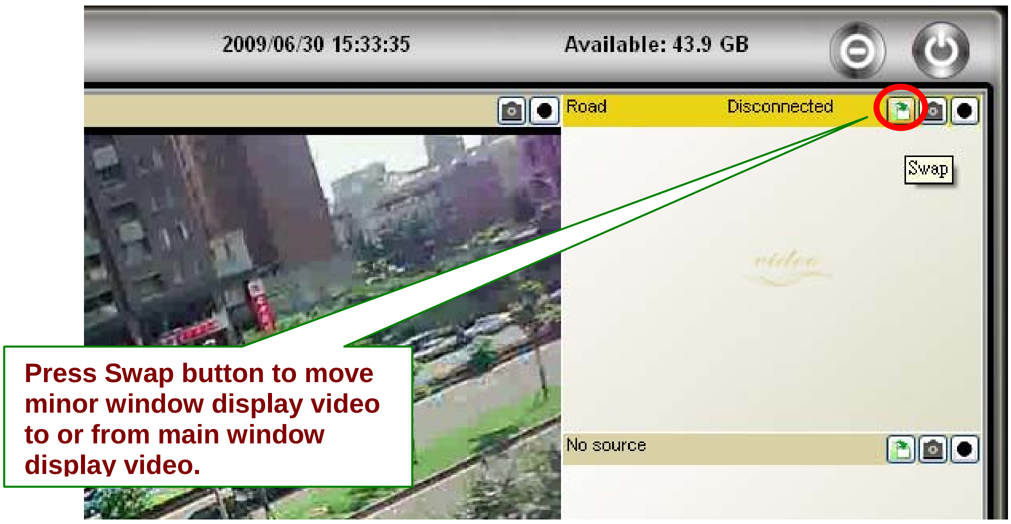
6. Properties: Show current IP cam's frame rate, consuming bandwidth, and camera physical site time.



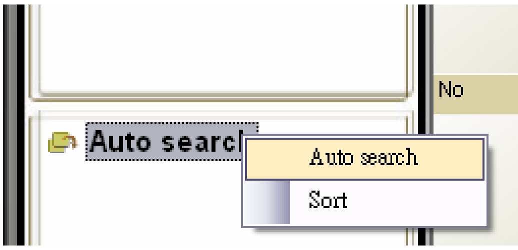
7. Snapshot & Continuous Recording



8. Swap Function: This function is available only in 6, 13, 21 window display modes. Press swap button to move the minor window video to/from main window.

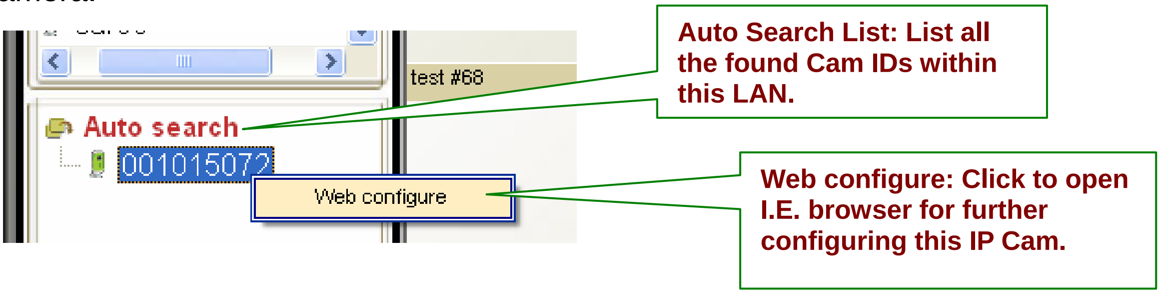


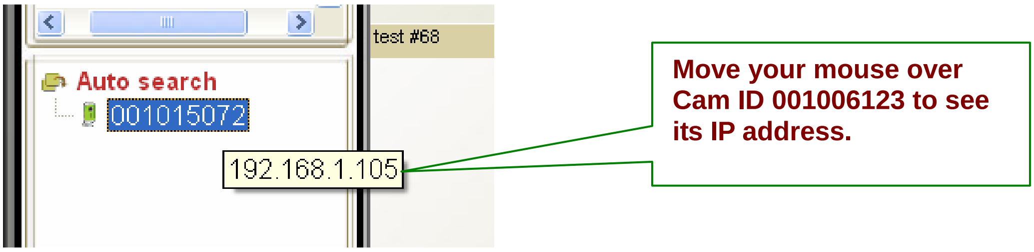
9. Auto Search



Auto search is a function that searches for all IP Cameras on your LAN (Local Area Network). At the very beginning of CamView startups, CamView automatically does the auto search.

To do auto search manually, double click on the "Auto Search" folder. CamView searches all available IP cams in the LAN and lists all IDs under the folder. Right click on the find Cam ID and select "Web Configuration" to access the IP cam's web page for configuration.
Move the mouse cursor over the Cam ID under Auto Search, you can see the IP address of that Camera.



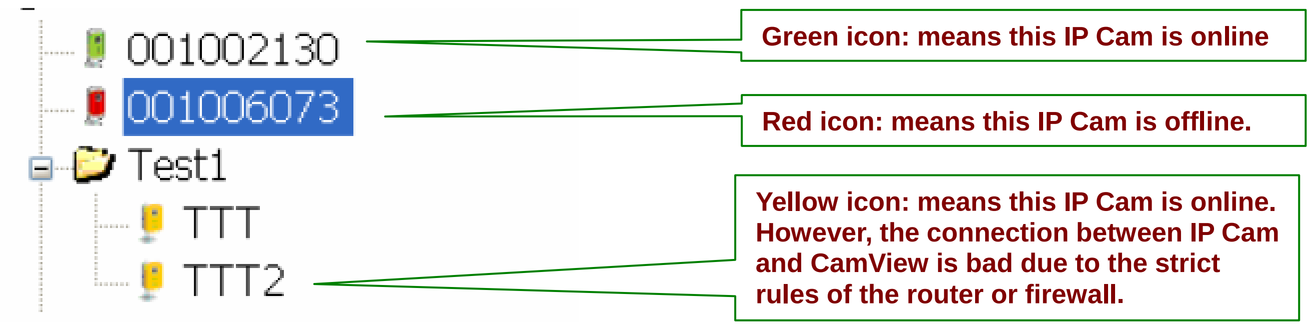


10. IP Cam online status indicator

There is an IP Cam icon in front of the Camera Name which indicates the online status of that IP Camera.

- **RED** → IP cam is off line, not connecting to internet.
- **GREEN** → IP is on connected to internet.
- **YELLOW** →IP is on line but the connection is not good because either side might be behind a router which has strict rules for access.

Note: The IP Cam online status refresh takes place in the beginning of CamView startup. To refresh all cameras' status manually, right click on the Camera List and select "Refresh status".

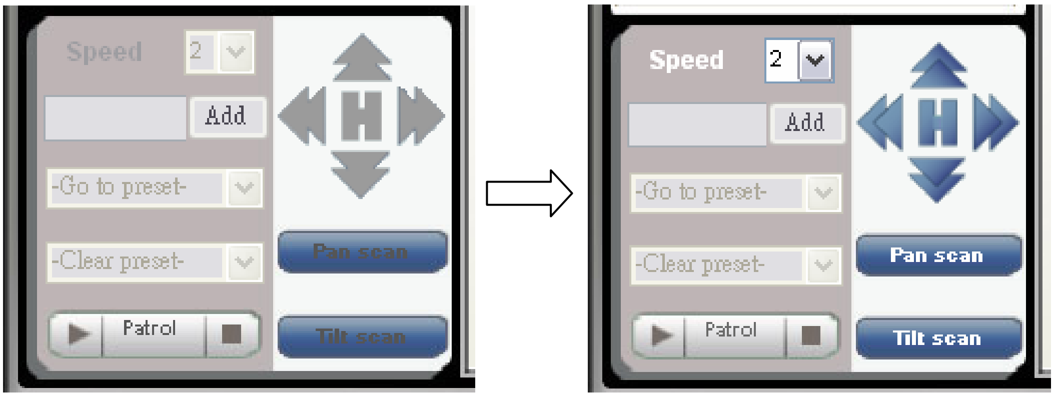


Note: The green icon indicates the IP Cam is online and responding, but not guarantees that the video session can be

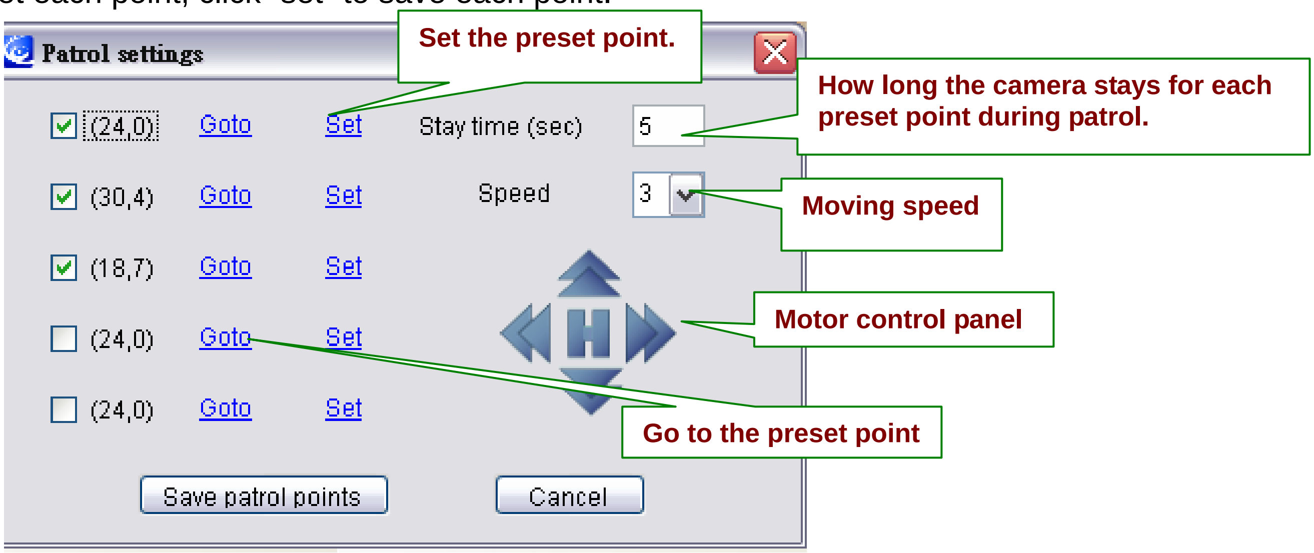
established 100%. Unfavorable Firewall setting may block the video.

11. Pan Tilt Panel Function

Connect to Pan Tilt Dome Camera and drag to any channel in the software, the Pan Tilt Panel will be activated as below:

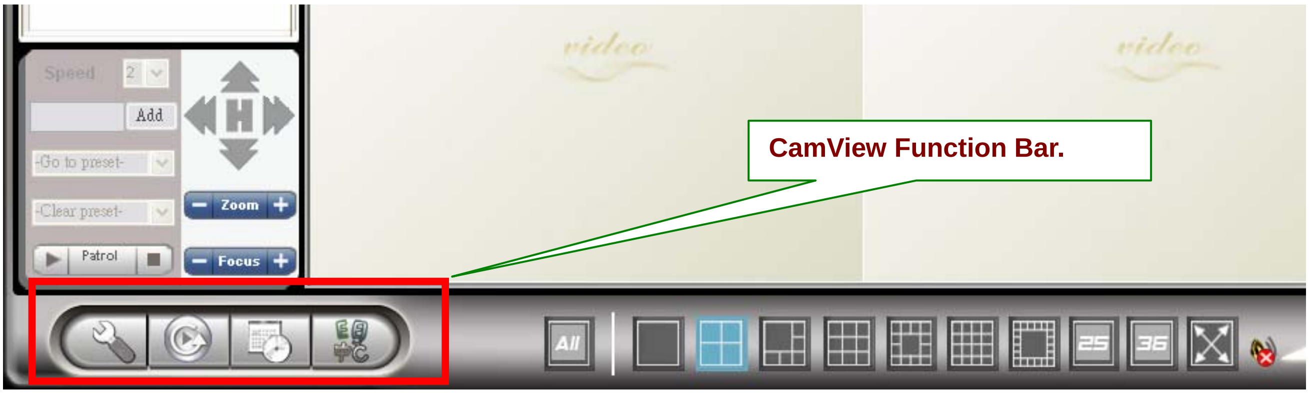


- Pan Scan: make the Pan Tilt Dome move left and right
- Tilt Scan: make the Pan Tilt dome up and down
- Speed: the speed of Pan Tilt Dome has 3 level of speed (3 is the fastest, 1 is the slowest)
-  : Move Up
-  : Move Down
-  : Move Right
-  : Move Left
-  : Move back to home
- Patrol: User can have 1 set of Patrol and 5 points for each Patrol. To set each point for the patrol, User can use the direction arrow in blue to set each point the user want to stop in a patrol. After set each point, click “set” to save each point.

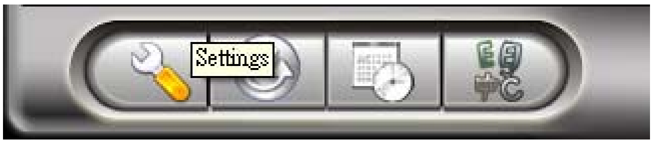


- Preset: This function will be activated after any PTZ Dome connect with video server
- Zoom in & out: This function will be activated after any analog PTZ Dome Camera connect to IP video server

CamView Software Functions

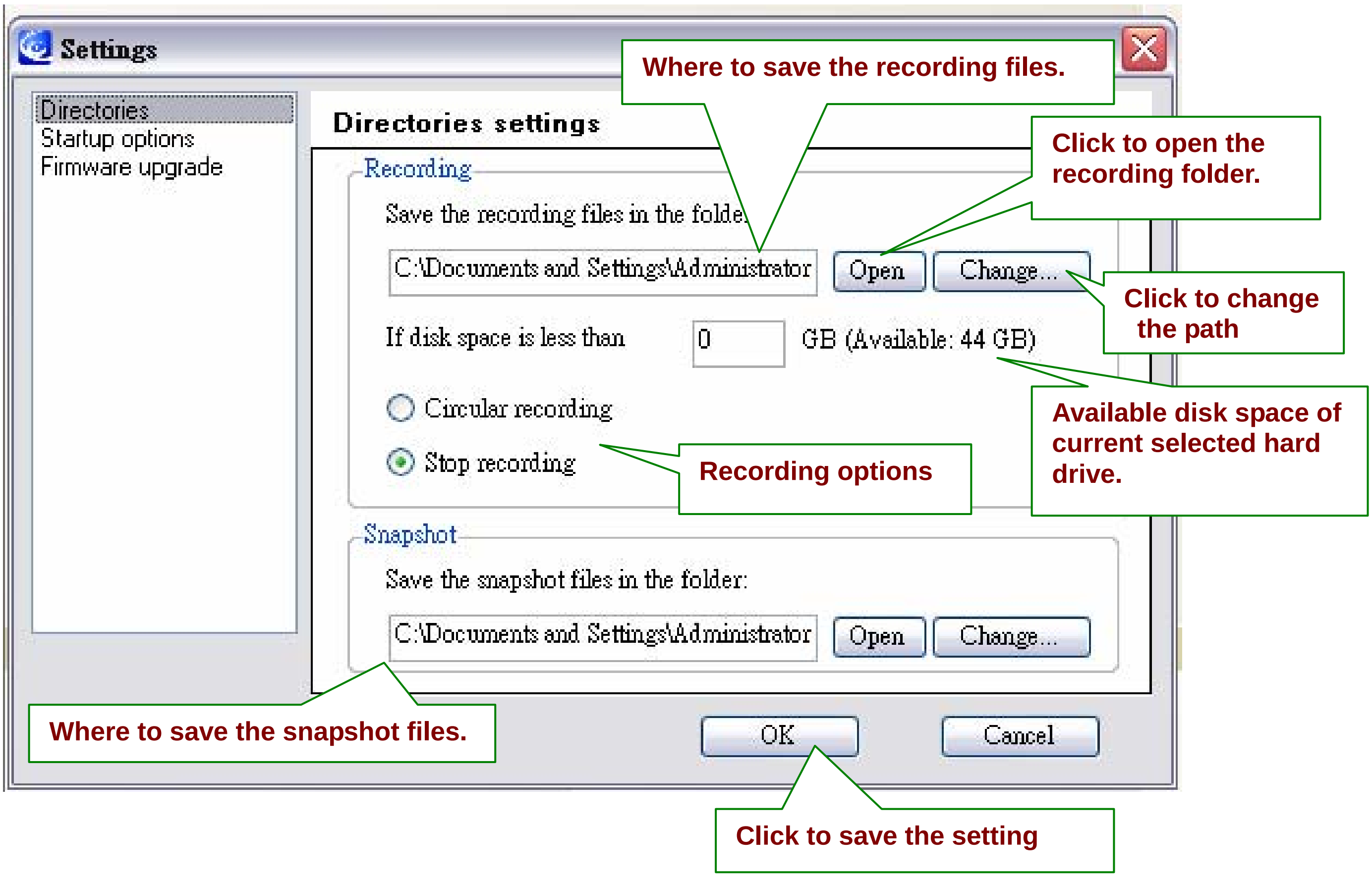


1. Setting

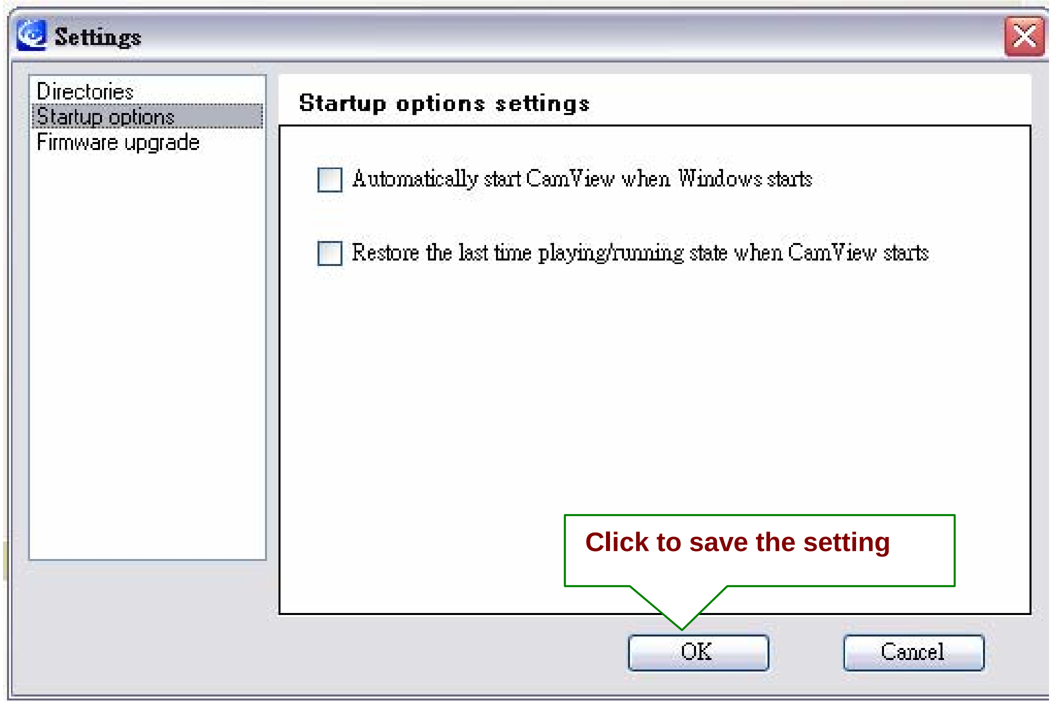


Click Setting and get into the Setting Function menu.

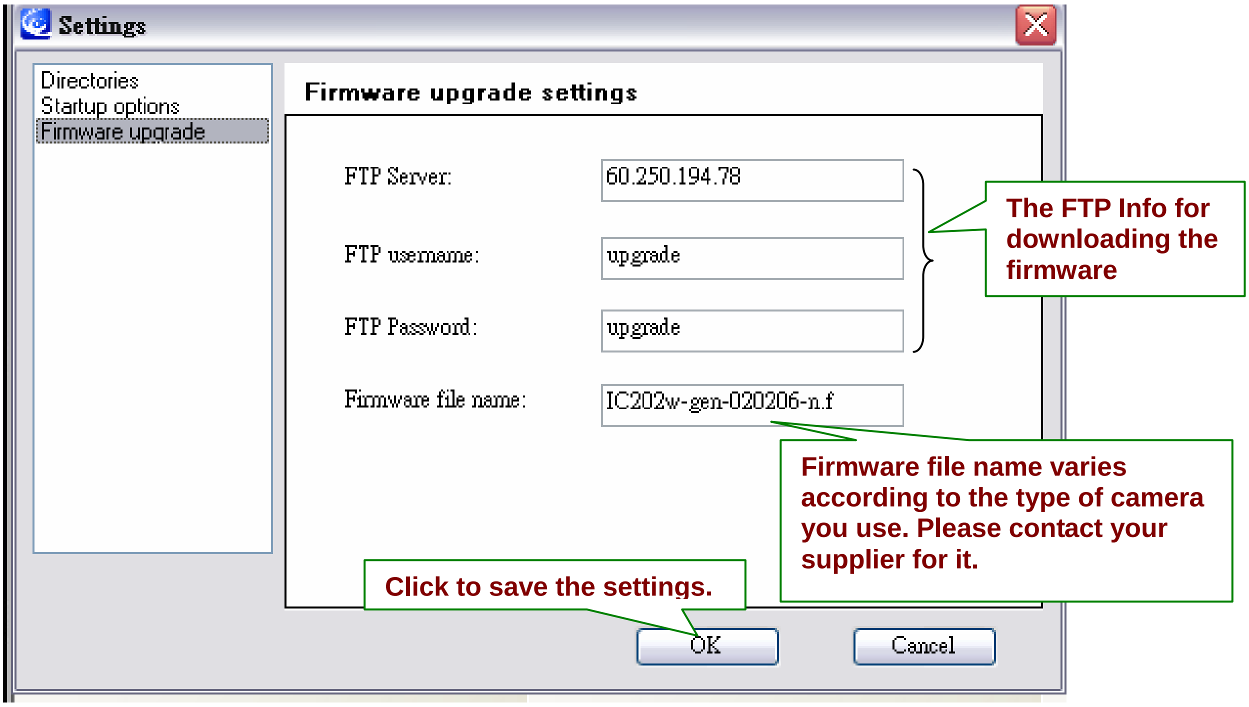
■ ***Directories Settings:*** to set the directory path for the Recording and Snapshot



■ ***Startup Options:*** Determine the camera state at startup
<u>Automatically start CamView when Windows starts:</u> When Microsoft Windows starts, CamView will start running automatically.
<u>Restore the last time playing/running state:</u> Restore the state of each video window to what it was before CamView closed.



■ ***Firmware Upgrade:*** Here you can assign the default values for firmware upgrade. By doing so, it saves your time to enter the same information every time.



2. CamPlay



Click CamPlay to start it for playback.

3. Scheduling

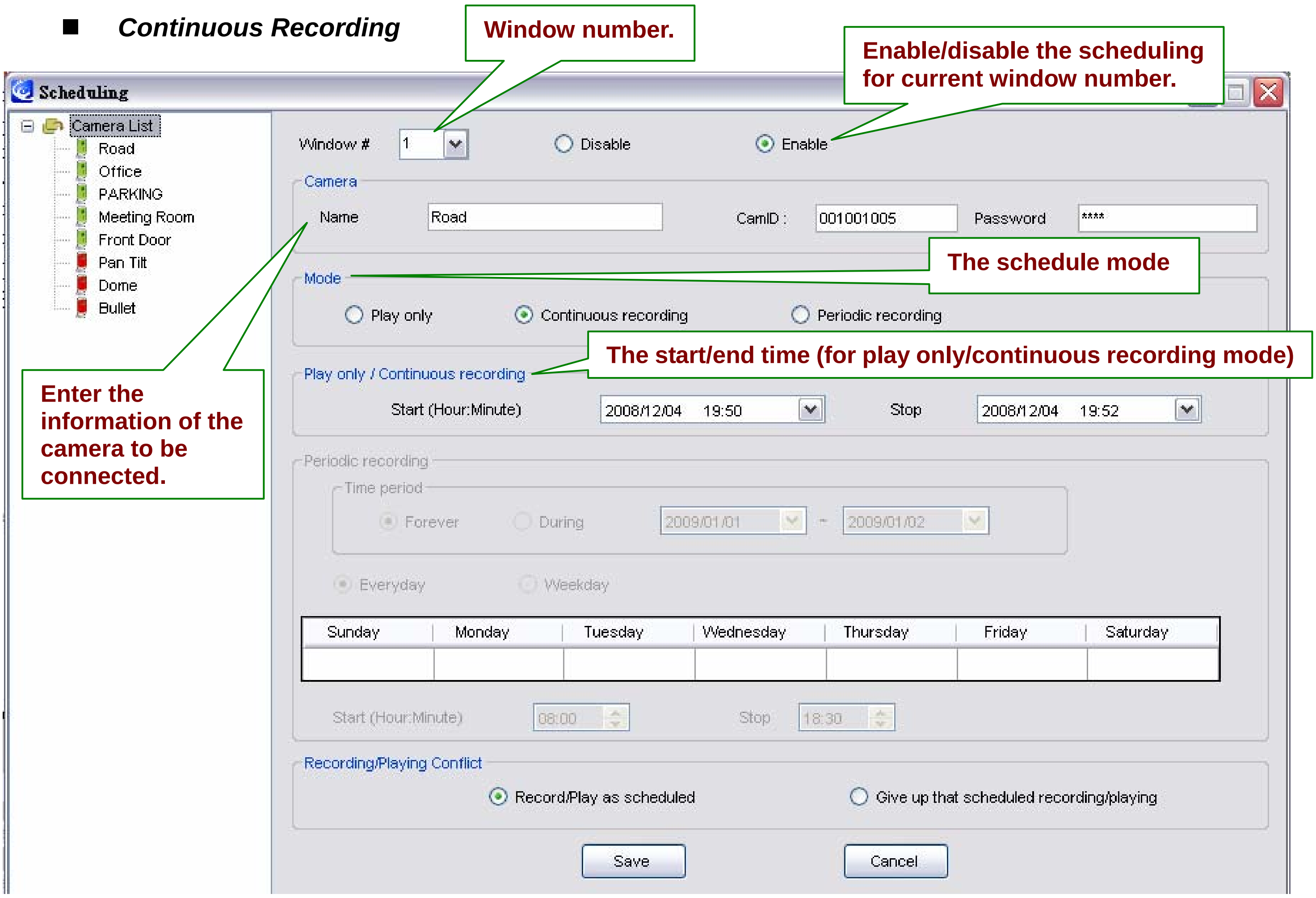


Click Scheduling to configure scheduled recording/playing.

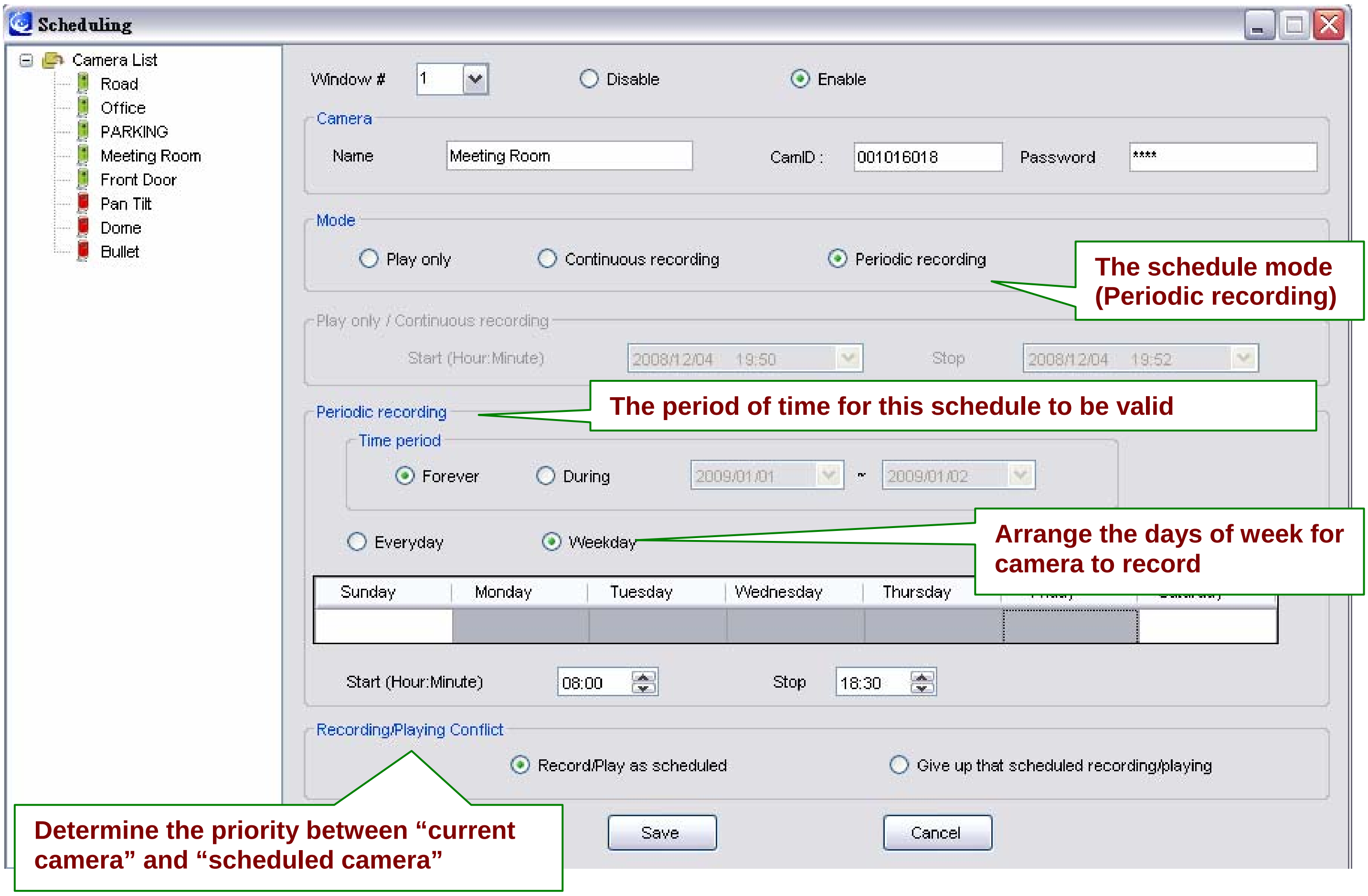
Schedule the time for each channel to be used and recorded by certain camera

- ***Camera:*** The information of the camera to be connected. You can either double click on one of the listed cameras or drag the camera off the Camera field to import the settings. Of course, manually key in the Name, CamID and password is fine as well.
- ***Mode:*** There are 3 modes available to choose from:
  Play Only: Live view only, no recording.
  Continuous recording: Keep recording 24/7 in between the date you set for start and stop
  Periodic recording: Recording the period of time in a day you set.

- ***Continuous Recording***



- ***Periodic Recording***



- ***Recording/Playing Conflict:*** When the schedule time is reached, the program needs to determine either to run the scheduled camera or keep the currently used camera for this window. Choosing "Record as scheduled", CamView connects to the scheduled camera. Choosing "Give up the scheduled recording", CamView ignores the scheduled event and keeps the current connected video session.

4. Language

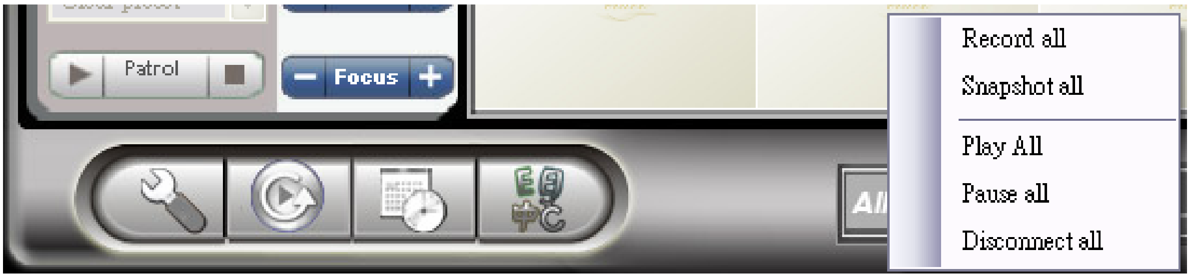


Click Language button to change the language settings.

Right now, CamView supports 13 languages as following: English, Chinese, Japanese, French, Italian, Spanish, Hungarian, Turkish, Czech, Hebrew, Indian, and Finnish.



5. All Function



Any of following functions applies to all the channels in current layout only.

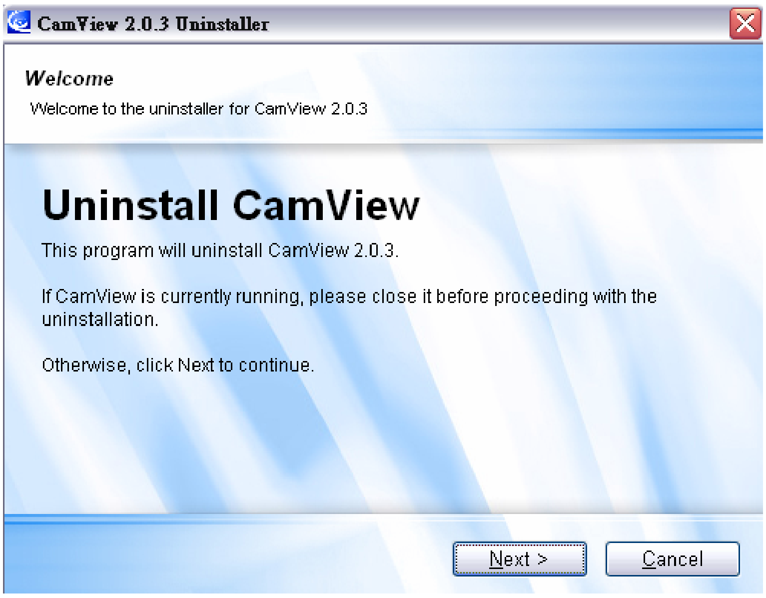
- ***Record all:*** start/enable recording.
- ***Snapshot all:*** Take snapshot.
- ***Play all:*** Start playing.
- ***Pause all:*** Pause.
- ***Disconnect all:*** Stop playing.

Appendix I: Uninstall CamView

There are two ways to invoke the CamView uninstaller.

1. Uninstall from the start menu
   .Start ➔ CamView ➔ Uninstall CamView

2. Uninstall from the control panel
   .Start ➔ Settings ➔ Control Panel ➔ Add or Remove Programs
   .Select CamView program and click “Change/Remove”.



Step 1: Once the CamView uninstaller has been invoked, the uninstall screen shows up. Press “Next” button to move on.

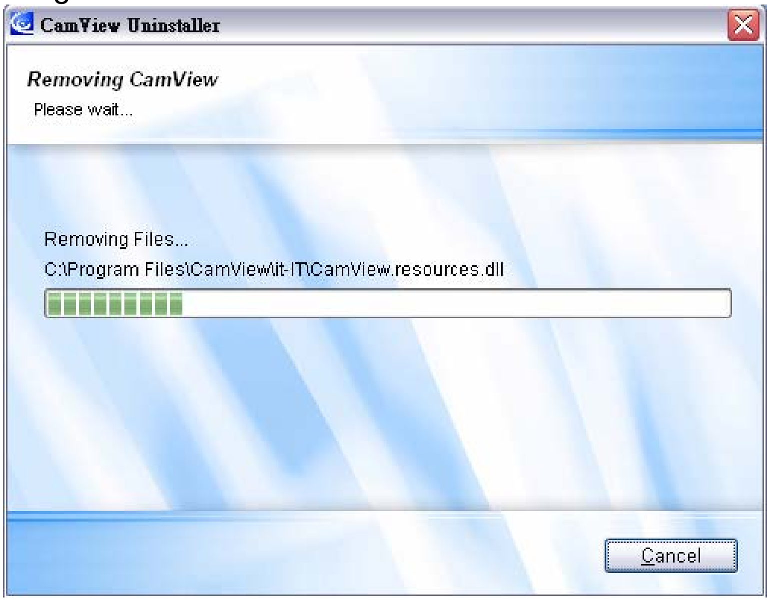


Step 2: Confirm Camera List setting and click Next.

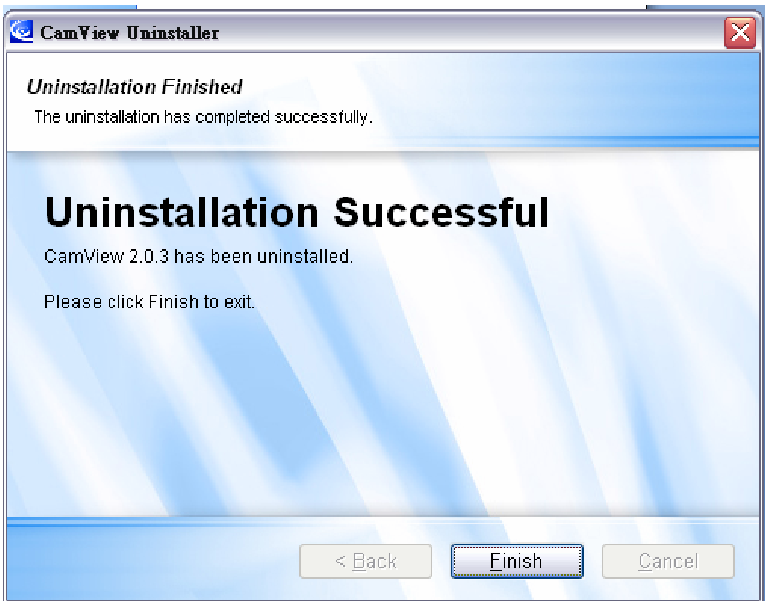


Step 3: Confirm whether to keep or remove recording / snapshot folder.

Progress Window



Finish Window



Appendix II: Performance Information

1. Video Performance Information

The video quality is dependent on the video parameter settings and the network quality. If you want to have a better video quality, you will usually set higher resolution and higher frame rate. This is fine when you are viewing the video locally in the same network. But when you want to see the video remotely through the Internet, you need to know the Internet speed (bandwidth) connected to your home network. If the "Internet speed" setting of your camera is very large, but your real Internet speed (bandwidth) is relatively low, the video quality could be very bad. In some worst case, the video display could be disconnected. In order to have the best video quality, you better have broadband service from your ISP and set the "Internet speed" of the VS316m product a little lower than the real Internet speed provided by your ISP.

To notice that when multiple users are displaying the videos from the same camera at the same time, the video bandwidth times number of users will be needed for the Internet speed.

Appendix III: Frequent Ask Question

Q: The Cam status indicator shows green icon, but I can not view the video or change the settings.
A: The green icon only denotes that the Cam is online and responding, not guarantees that the video session can be established one hundred percent. The reason is due to the firewall or the strict access rules of the router.

Q: The video quality is not that good when I view it remotely via the Internet.
A: The video quality is greatly affected by your Internet connection speed. Therefore, we recommend you to change the bandwidth settings of the Cam to a value which is smaller than the one that your ISP provides you.

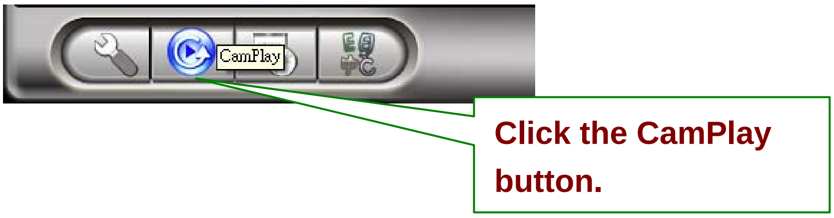
Q. The video quality is not good when the status indicator of the IP Cam shows yellow. Why is that?
A: If it is yellow, it means the connection between CamView and the Cam is not good. There might be a firewall in between or the routers that Cam or CamView are behind have strict rules for the access.

Q: Can the password for playing video be null?
A: No. For security issue, we do not allow users to make their passwords for playing video empty.

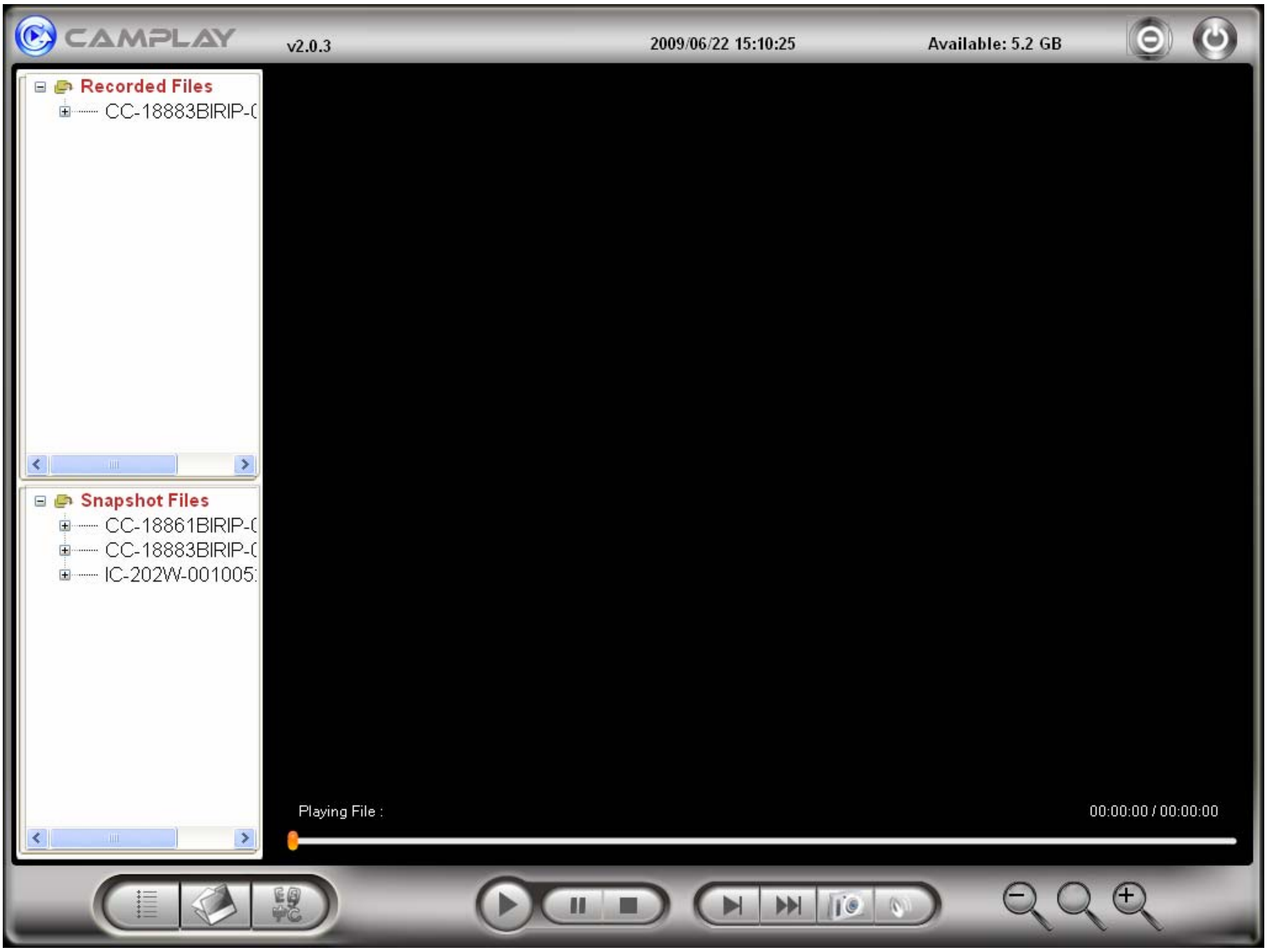
Q: Can I change the settings of the Cam through CamView?
A: Yes, partially. You can change the resolution, frame rate, bandwidth, microphone, auto select, indoor/outdoor mode, light frequency, LED mode, sharpness, and brightness settings of the Cam through CamView. The rest of the settings can only be configured via the web page of the Cam.

Q. Sometimes I failed to connect to Cam after changing the settings of the IP Cam.
A: Cam needs some time, around 5 seconds, to re-initialize the system. Therefore, please wait 5 seconds and try to connect it again for playing the video or getting the settings. If the auto reconnection is enabled, then CamView will connect it for you in 5 seconds.

There are two ways to start CamPlay for playback the recorded files or view the snapshot files. One way is clicking the CamPlay button on the tool bar of CamView.

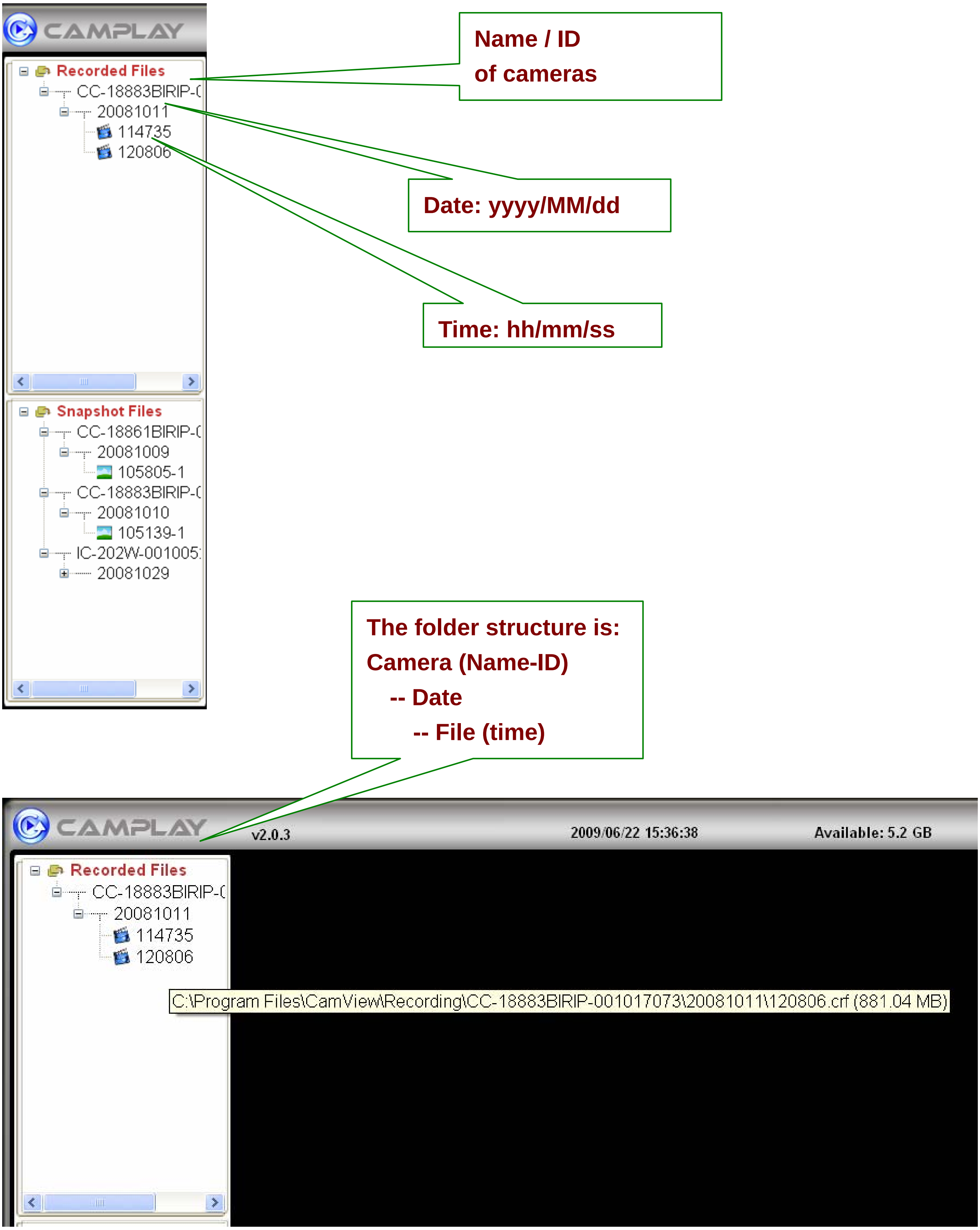


Another is double click on the Camplay shortcut on your Windows desktop.



CamPlay File Tree

Recorded videos and snapshots are separated as shown:



CamPlay Functions

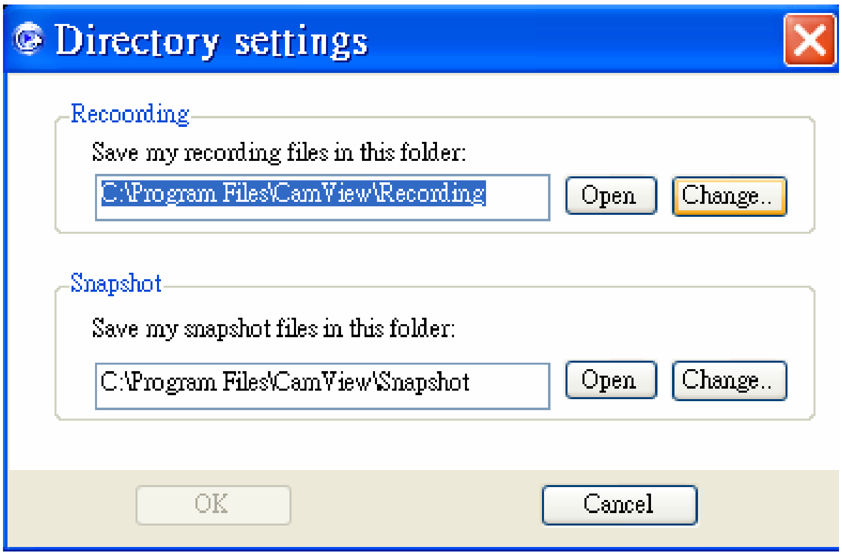


1. Refresh file tree:

Click it to refresh the file trees especially after CamView is done with recording or snapshot.

2. Directory:

Click to get into the directory settins dialog for recording and snapshot. Click “Change..” to change the settings.

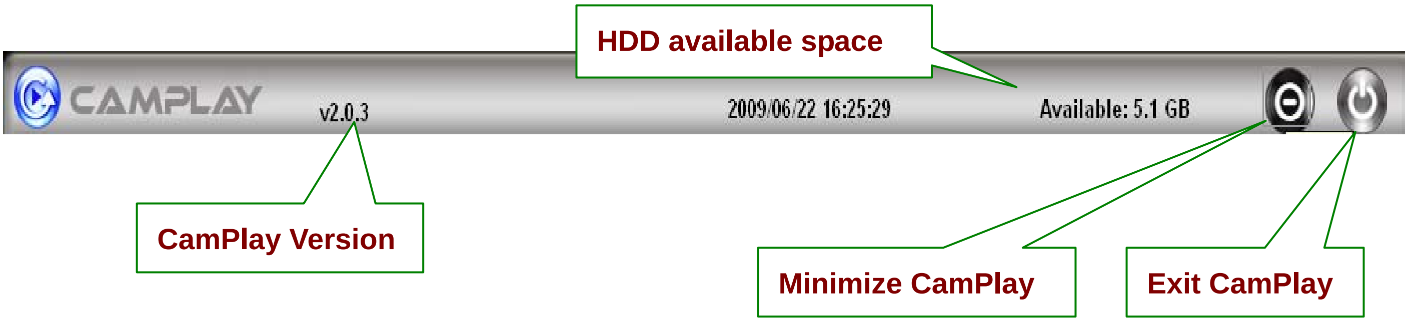


Note: To correctly find the video files and snapshots which were recorded and taken by CamView, we strongly suggest configuring the directories of the recorded files and snapshot files of CamPlay to what you have configured in CamView.

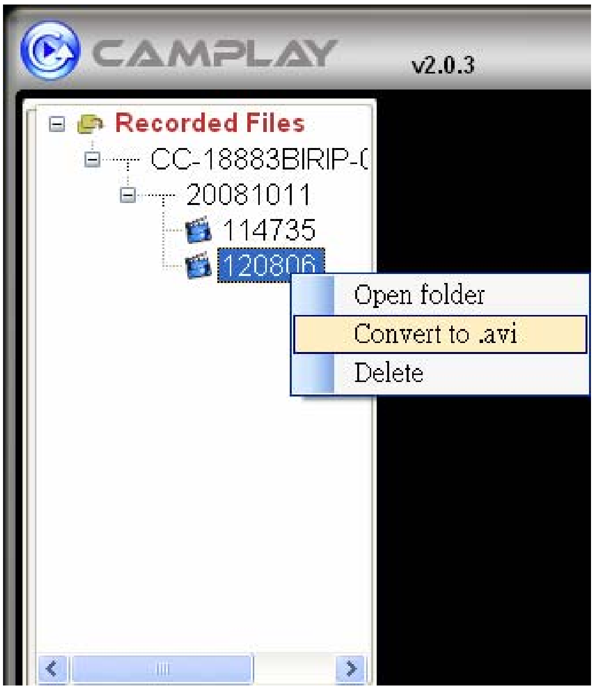
3. Language: Click to select the language you preferred.



4. Headline Explanation



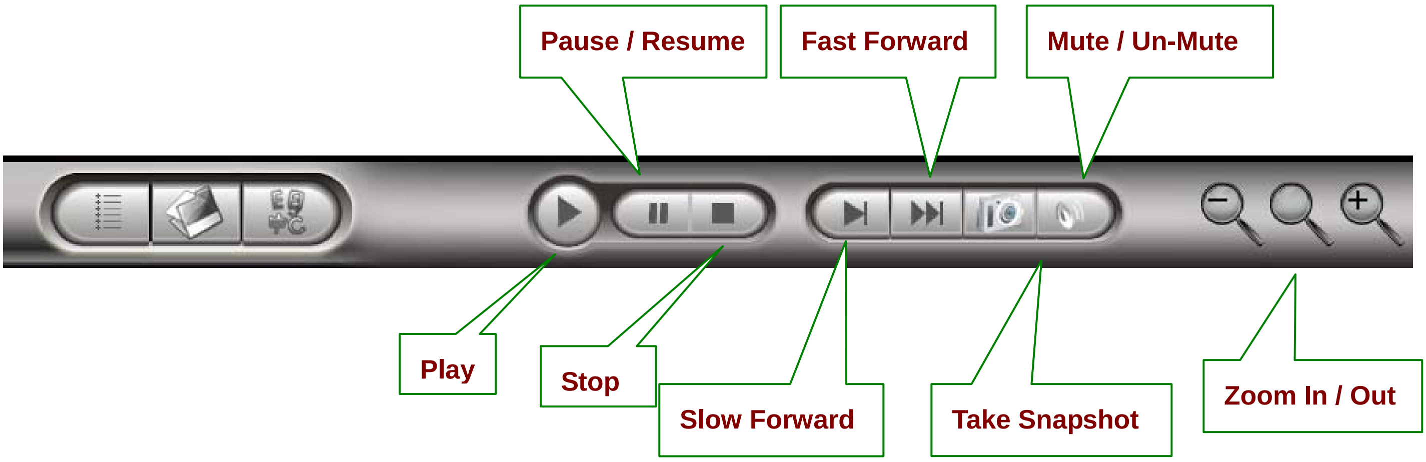
5. Convert to*: ".AVI" :* Transcoding to avi format is supported. Simply right click on the file you want to transcode and select "Covnert to .avi". Wait for a while and the transcoded file will be saved in the same folder with the original file. Select "Open folder" to browse all the files recorded in the same day from the same camera.



Playback Function Bar

To playback the recorded file, you can either double click on it or drag it to the video window directly. To view the snapshot file, simply double click on it and the snapshot will be opened by the default viewer of your computer.

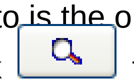




1. Snapshot

The snapshots you taken within CamPlay are saved in SNAPSHOT_DIRECTORY\CamPlay\date\.

2. Zoom in and zoom out

The maximum resolution you can zoom in to is 640x480 and the minimum resolution you can zoom out to is the original resolution of the video file. To zoom in, click . Click  to zoom out and click  to see the original resolution of the video file.

As mentioned earlier, snapshot is displayed by the default viewer of your computer. This gives you the ability to playback the recorded video file and view the snapshot at the same time.